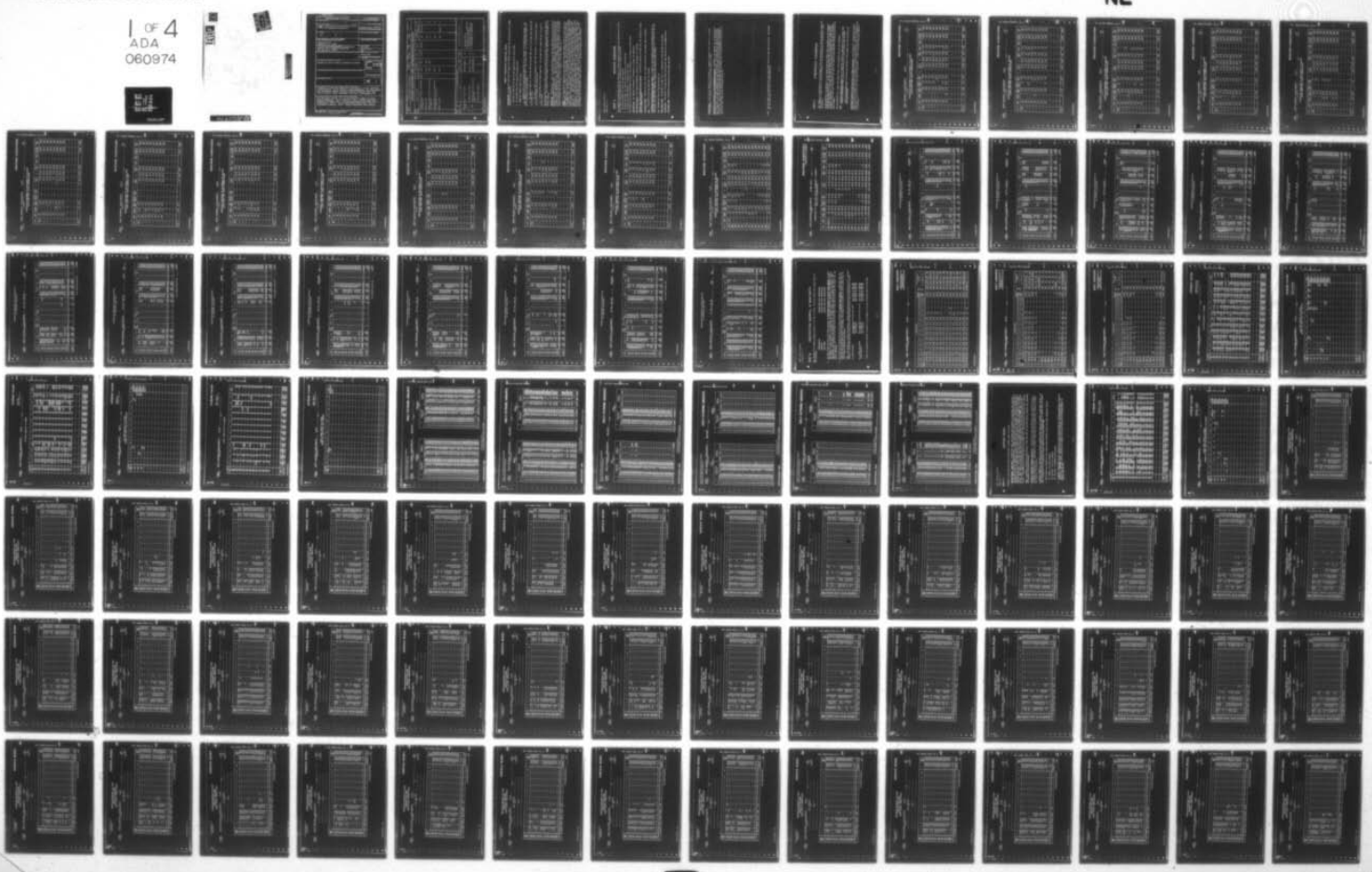
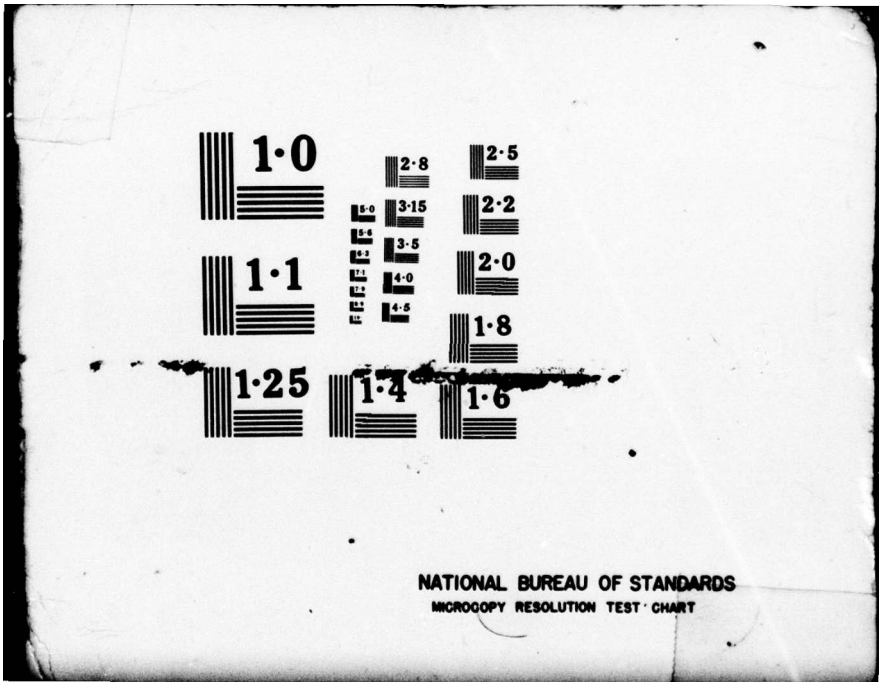
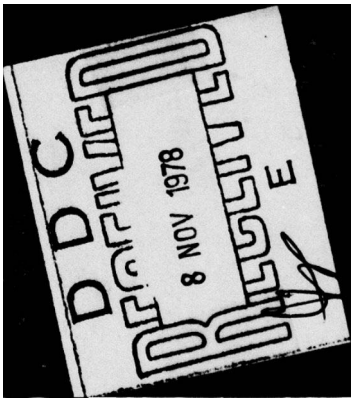
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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) SOUTH WE--ETC(U)
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MICROCOPY RESOLUTION TEST CHART


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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE

READ INSTRUCTIONS BEFORE COMPLETING FORM

1. REPORT NUMBER

2. GOVT ACCESSION NO.

3. RECIPIENT'S CATALOG NUMBER

4. TITLE (and Subtitle)
Summary of Meteorological Observations, Surface (SMOS) South Weymouth, Massachusetts

5. TYPE OF REPORT & PERIOD COVERED
Reference report 1954-1977

6. PERFORMING ORG. REPORT NUMBER

7. AUTHOR(s)
N/A

8. CONTRACT OR GRANT NUMBER(s)

9. PERFORMING ORGANIZATION NAME AND ADDRESS
Naval Weather Service Detachment
Federal Building
Asheville, N. C. 28801

10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS

11. CONTROLLING OFFICE NAME AND ADDRESS
Director, Naval Oceanography and Meteorology
National Space Technology Laboratories
NSTL Station, MS 39529

12. REPORT DATE
July 1978

13. NUMBER OF PAGES
358

14. MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office)

15. SECURITY CLASS. (of this report)
Unclassified

15a. DECLASSIFICATION/DOWNGRADING SCHEDULE

16. DISTRIBUTION STATEMENT (of this Report)
Approved for public release; distribution unlimited.

ACCESSION for
NTIS White Section [X]
DDC Buff Section [ ]
UNANNOUNCED [ ]
JUSTIFICATION
BY
DISTRIBUTION/AVAILABILITY CODES
Dist. AVAIL. and/or SPECIAL
A

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)
Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, South Weymouth, MA.

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)
This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE
S/N 0102-LF-014-6601

Unclassified
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT.)	CALL SIGN	WMO NUMBER
14790	South Weymouth, Massachusetts	42°09'N	70°56'W	161	KNZW	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office, south side of hangar #1	Navy	1954	1958	42°09'N	70°56'W	156	Mercurial	24
2.	Same as above	"	1958	1961	"	"	161	"	24
3.	Weather service office, second floor of hangar #1	"	1961	1967	"	"	172	"	24
4.	Weather service office, south side of hangar #1, first floor	"	1968		"	"	156	"	24
1a.	Same as above	"	1967		"	"	158	Aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed 1954	Atop control tower	AN/UMQ-5	ANX-1-4C	45'	1. Barograph (ML-3) 2. Semi-auto met sta (AN/GMQ-14B) 3. Ceiling light (ML-121) 4. Cloud height set (AN/GMQ-13C) 5. Transmissometer (AN/GMQ-10B)
1a.	"	*Atop control tower	Selsyn	Triple	95'	
2.	1960	839 feet from center line of runway 8-26	AN/UMQ-5	RD/108B	12'	
		*Survey date unknown				

78 11 06 137

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET ltr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).

2. All available data will be used for extreme values.

3. Summarize (update) every five years.

   a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.

   b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.

   c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.

   d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

NWSD, Federal Building

Asheville, N. C.

PART A WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		8.4	.6	9.7		18.1	10.3	1.3	1.9		12.9	155
	04		9.7	.6	7.7		18.1	12.9	1.3	1.3		14.8	155
	07		9.7	.6	7.1		17.4	17.4	1.9	1.3		20.6	155
	10		9.0	.6	9.0		18.1	19.4	11.6	1.3		29.7	155
	13		8.4		11.0		19.4	16.1	8.4	.6		25.2	155
	16		8.4		7.7		14.8	16.1	7.1	.6		23.9	155
	19		8.4	.6	4.5		13.5	14.2	5.2	1.3		19.4	155
	22	.6	6.5	1.3	5.8		13.5	9.7	2.6	1.3		12.9	155
TOTALS		.1	8.6	.5	7.8		16.6	14.5	4.9	1.2		19.9	1240

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WEATHER CONDITIONS

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		8.5	.7	7.8		17.0	12.8	2.1	1.4		15.6	141
	04		7.1		9.9		17.0	12.1	1.4	1.4		14.9	141
	07		7.8	1.4	9.9		18.4	22.0	3.5	2.1		25.5	141
	10		5.0		13.5		18.4	20.6	7.8	1.4		29.1	141
	13	.7	8.5		14.9		23.4	17.7	5.7	.7		24.1	141
	16		5.7		12.8		17.7	15.6	6.4	.7		22.7	141
	19		7.8		9.2		17.0	13.5	2.8	.7		17.0	141
	22		8.5	.7	7.8		17.0	12.1	2.1	.7		13.5	141
TOTALS		.1	7.4	.4	10.7		18.2	15.8	4.0	1.1		20.3	1128

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WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		10.3	.6	5.8		16.8	20.0	2.6			20.6	155
	04		9.0		5.2		14.2	17.4	2.6			19.4	155
	07		9.7		5.2		14.8	23.9	3.9	.6		27.7	155
	10	.6	12.9		5.8		18.1	18.1	6.5			24.5	155
	13		14.8		7.7		21.3	17.4	7.7	.6		25.8	155
	16		12.3	.6	6.5		17.4	15.5	6.5	.6		22.6	155
	19		12.3		5.2		16.1	16.8	4.5	.6		20.6	155
	22		11.0	.6	5.8		16.8	18.7	3.9	.6		21.9	155
TOTALS		.1	11.5	.2	5.9		16.9	18.5	4.8	.4		22.9	1240

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WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01	.7	8.7		3.3		12.0	8.7	3.3			12.0	150
	04	.7	9.3		2.7		12.0	12.7	3.3			15.3	150
	07		12.0		2.7		14.7	22.0	4.7			26.7	150
	10		11.3		2.0		13.3	14.7	7.3			22.0	150
	13		11.3		1.3		12.7	10.0	10.0			20.0	150
	16	.7	18.0		2.7		19.3	12.7	6.7			19.3	150
	19		11.3		2.0		12.7	10.7	4.7			15.3	150
	22		12.7		1.3		14.0	8.7	3.3			12.0	150
TOTALS		.3	11.8		2.3		13.8	12.5	5.4			17.8	1200

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WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01		10.3		.6		10.3	20.0	5.2			23.9	155
	04		9.0		.6		9.0	30.3	4.5			33.5	155
	07		16.1				16.1	26.5	10.3			34.8	155
	10	.6	12.3		.6		12.3	16.1	16.1			30.3	155
	13	.6	13.5		.6		13.5	9.7	15.5			23.9	155
	16		10.3		.6		10.3	9.0	14.8			23.2	155
	19	.6	11.6				11.6	14.2	13.5			26.5	155
	22	.6	12.9				12.9	14.8	6.5			21.3	155
TOTALS		.3	12.0		.4		12.0	17.6	10.8			27.2	1240

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WEATHER CONDITIONS

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01		12.7				12.7	31.3	16.0			44.0	150
	04		14.0				14.0	51.3	16.7			59.3	150
	07		16.0				16.0	36.0	24.0			56.0	150
	10		11.3				11.3	17.3	34.7			50.7	150
	13		8.7				8.7	9.3	32.0			40.0	150
	16	1.3	12.7			.7	12.7	11.3	29.3			39.3	150
	19	.7	10.0				10.0	14.0	24.7			36.0	150
	22		11.3				11.3	24.0	20.0			40.7	150
TOTALS		.3	12.1			.1	12.1	24.3	24.7			49.8	1200

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WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	2.6	6.5				6.5	24.5	23.2			46.5	155
	04		7.7				7.7	45.8	18.7			57.4	155
	07	1.3	9.0				9.0	30.3	36.8			57.4	155
	10	.6	7.1				7.1	9.0	41.9			49.0	155
	13	.6	5.2				5.2	5.2	38.7			43.2	155
	16	2.6	6.5				6.5	6.5	38.7			43.2	155
	19	2.6	8.4				8.4	11.0	32.9			43.2	155
	22	.6	6.5				6.5	17.4	28.4			43.2	155
TOTALS		1.4	7.1				7.1	18.7	32.4			47.9	1240

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WEATHER CONDITIONS

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	.6	8.4				8.4	30.3	25.8			49.7	155
	04	.6	10.3				10.3	40.0	23.9			56.1	155
	07		9.0				9.0	38.7	36.8			65.8	155
	10		9.0				9.0	12.3	43.9			54.8	155
	13	.6	9.0				9.0	9.7	40.0			47.7	155
	16	1.9	12.3				12.3	10.3	33.5			42.6	155
	19	1.9	7.7				7.7	15.5	35.5			48.4	155
	22	3.2	7.7				7.7	19.4	27.1			43.9	155
TOTALS		1.1	9.2				9.2	22.0	33.3			51.1	1240

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WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01		13.3				13.3	32.0	9.3			38.7	150
	04		12.7				12.7	36.7	9.3			42.7	150
	07		15.3				15.3	47.3	18.7			56.0	150
	10		14.0				14.0	21.3	26.7			46.7	150
	13	1.3	12.0				12.0	15.3	21.3			36.7	150
	16	.7	10.7				10.7	11.3	22.0			32.7	150
	19	.7	10.0				10.0	18.0	21.3			36.0	150
	22	2.0	14.0				14.0	23.3	14.7			35.3	150
TOTALS		.6	12.8				12.8	25.7	17.9			40.6	1200

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5701 WEATHER CONDITIONS JAN 68
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WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		12.3				12.3	19.4	5.8			23.9	155
	04		10.3				10.3	25.8	6.5			30.3	155
	07		13.5				13.5	36.8	7.7			42.6	155
	10		12.9		.6		13.5	21.9	10.3			31.0	155
	13		12.9		.6		12.9	14.8	14.8			28.4	155
	16		12.9				12.9	16.1	14.8			29.0	155
	19		12.9				12.9	19.4	8.4			26.5	155
	22		12.3				12.3	18.7	4.5			22.6	155
TOTALS			12.5		.2		12.6	21.6	9.1			29.3	1240

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5701 WEATHER CONDITIONS JAN 68

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WEATHER CONDITIONS

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		9.3		1.3		10.7	20.0	3.3			22.7	150
	04		11.3		1.3		12.7	22.0	2.0			23.3	150
	07		9.3		1.3		10.7	26.7	3.3			28.7	150
	10		10.7		1.3		12.0	22.0	14.0	.7		33.3	150
	13		8.7				8.7	14.7	10.7			24.7	150
	16		8.0		.7		8.7	14.0	10.7			23.3	150
	19		10.7		.7		10.7	16.7	8.0			22.0	150
	22		12.0		2.0		13.3	20.0	6.7			24.0	150
TOTALS			10.0		1.1		10.9	19.5	7.3	.1		25.3	1200

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5701 WEATHER CONDITIONS JAN 68

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WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		11.0	.6	4.5		16.1	16.1	2.6	.6		18.7	155
	04		11.6	1.3	4.5		17.4	14.8	1.3	.6		16.8	155
	07		12.9	.6	5.8		19.4	25.8	3.9	.6		29.7	155
	10		12.9		9.0		21.9	22.6	9.7	.6		32.3	155
	13		12.9	1.3	9.7		21.3	17.4	9.7	.6		27.7	155
	16		10.3		7.1		17.4	16.8	10.3	1.3		27.1	155
	19		10.3		7.1		16.8	13.5	4.5	.6		18.7	155
	22		9.7		6.5		15.5	14.2	3.9	1.3		18.7	155
TOTALS			11.5	.5	6.8		18.2	17.7	5.7	.8		23.7	1240

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5701 WEATHER CONDITIONS JAN 68

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WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	8.6	.5	7.8		16.6	14.5	4.9	1.2		19.9	1240
FEB		.1	7.4	.4	10.7		18.2	15.8	4.0	1.1		20.3	1128
MAR		.1	11.5	.2	5.9		16.9	18.5	4.8	.4		22.9	1240
APR		.3	11.8		2.3		13.8	12.5	5.4			17.8	1200
MAY		.3	12.0		.4		12.0	17.6	10.8			27.2	1240
JUN		.3	12.1			.1	12.1	24.3	24.7			45.8	1200
JUL		1.4	7.1				7.1	18.7	32.4			47.9	1240
AUG		1.1	9.2				9.2	22.0	33.3			51.1	1240
SEP		.6	12.8				12.8	25.7	17.9			40.6	1200
OCT			12.5		.2		12.6	21.6	9.1			29.3	1240
NOV			10.0		1.1		10.9	19.5	7.3	.1		25.3	1200
DEC			11.5	.5	6.8		18.2	17.7	5.7	.8		23.7	1240
TOTALS		.4	10.5	.1	2.9	.0	13.4	19.0	13.4	.3		31.0	14608

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WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 54-60, 64-77 (YEARS) ALL (MONTH)

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.9	28.2	3.2	40.0		54.9	37.3	23.7	5.1		50.2	528
FEB		.8	27.3	3.7	41.2		53.7	40.2	28.3	5.8		52.1	480
MAR		1.7	37.5	3.5	32.0	.2	54.0	43.9	23.5	3.3		51.7	544
APR		3.5	46.9		12.6	.2	50.7	44.6	25.9	.4		51.1	540
MAY		5.7	52.9		.5	.7	53.0	52.0	36.9			60.0	575
JUN		12.7	49.0			.8	49.0	65.3	60.2			77.6	510
JUL		13.3	41.9			.2	41.9	61.9	65.7			78.4	527
AUG		13.9	40.6				40.6	65.3	60.7			75.9	527
SEP		6.9	42.2				42.2	64.3	50.0			71.4	510
OCT		2.8	39.1		1.7		39.5	56.4	39.7			63.0	527
NOV		2.2	49.4	.2	11.5		53.1	51.7	28.9	.2		57.8	540
DEC		.2	40.0	5.7	33.0		56.6	44.6	24.2	2.9		55.7	558
TOTALS		5.4	41.2	1.4	14.4	.2	49.1	52.3	39.0	1.5		62.1	6366

5701 WEATHER CONDITIONS JAN [redacted]

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2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790	SOUTH WEYMOUTH, MASSACHUSETTS	JAN 73 - DEC 77	JANUARY	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	13.4		3.0	4.5		32.8			35.8		4.5	1.5		43.3
NNE	20.0	3.3	3.3			30.0			30.0	3.3	6.7			33.3
NE	25.0		12.5			50.0			50.0					12.5
ENE	20.0		10.0		20.0	20.0			40.0		10.0			30.0
E	27.8		5.6		5.6	44.4			38.9		5.6	5.6		16.7
ESE	33.3		4.8			9.5			42.9		9.5			42.9
SE	17.6		5.9			11.8			17.6		5.9			64.7
SSE	21.1	2.6	2.6	2.6		5.3		2.6	18.4		15.8			50.0
S	20.9	1.1	1.1			3.3			37.4	1.1	3.3			53.8
SSW	10.1		.9			.9			10.1	1.8	10.1			74.3
SW	1.2	1.2				2.4			6.1		4.9			87.8
WSW	1.0					1.0			1.0	1.9	1.0	1.0		94.3
W	.5		.5			.5			4.1		4.1	4.1		87.8
WNW	1.7					5.0			3.3		3.3			89.2
NW			1.7			5.0			6.6	2.5	.8	3.3		87.6
NNW	5.7	1.4	4.3	4.3		27.1			27.1		4.3			54.3
VARIABLE														
CALM	3.7		.7			4.4			7.4	2.9	7.4			78.4
TOTAL	86	5	18	7	3	96		1	167	13	61	15		918
% TOTAL	6.9	.4	1.5	.6	.2	7.7		.1	13.5	1.0	4.9	1.2		74.0

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708 % FREQ. WIND VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790	SOUTH WEYMOUTH, MASSACHUSETTS	JAN 73 - DEC 77	FEBRUARY	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0		6.3		3.1	39.6			34.4	2.1	7.3	4.2		39.6
NNE	6.8	2.3	2.3		2.3	47.7			22.7	2.3	2.3	2.3		36.4
NE	20.8		4.2	8.3	4.2	29.2		4.2	41.7		4.2			33.3
ENE			5.0		5.0	30.0			25.0		10.0			55.0
E	40.9		4.5			27.3			59.1					27.3
ESE	33.3	11.1	11.1						55.6					33.3
SE	23.1					7.7			38.5					61.5
SSE	13.6		9.1						18.2	4.5				72.7
S	10.2	1.9	.9			4.6			21.3	1.9	13.0			61.1
SSW	7.4		2.1		1.1	2.1			10.5	1.1	4.2			81.1
SW		2.0	2.0			2.0			6.0	4.0	4.0			86.0
WSW						3.2			1.6	3.2	3.2			90.5
W	1.5	.5				.5			5.0		4.1	1.0		90.4
WNW	1.1		1.1			6.3			4.2		1.1	1.1		87.4
NW	1.1		1.1			11.8			5.4		1.1	1.1		82.8
NNW	1.7		3.4	3.4		12.1			8.6			6.9		75.9
VARIABLE														
CALM	3.4	.8	3.4			2.5			18.6	8.4	1.7			73.9
TOTAL	55	7	25	4	7	117		1	157	21	45	13		819
% TOTAL	4.9	.6	2.2	.4	.6	10.4		.1	13.9	1.9	4.0	1.2		72.6

TOTAL NUMBER OF OBSERVATIONS 1,128

NAVWEASERVCOM

5708 % FREQ. WIND DIR. VS WEATHER JAN 68

1194

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790	SOUTH WEYMOUTH, MASSACHUSETTS	JAN 73 - DEC 77	MARCH	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.6		12.7		1.6	7.9			28.6			3.2		66.7
NNE	2.0	2.0	10.2		4.1	24.5			24.5		4.1	6.1		51.0
NE	7.1		5.4		8.9	19.6			33.9		8.9			44.6
ENE	17.6		8.8	2.9	2.9	11.8			26.5		2.9			58.8
E	29.8		6.4		6.4	6.4			38.3		2.1			44.7
ESE	17.6		5.9		5.9	11.8			23.5	5.9	5.9			47.1
SE	28.6	9.5	4.8		4.8	9.5			23.8	4.8	4.8			47.6
SSE	18.4	2.0	4.1		2.0	6.1			26.5	2.0	6.1			51.0
S	5.8	3.6	6.6			.7			21.9	1.5	10.9			61.3
SSW	6.4	3.2	4.3			1.1			18.1	5.3	13.8			60.6
SW	2.8					5.6			13.9		8.3			77.8
WSW	1.5	3.1				3.1			9.2	3.1	1.5			81.5
W		1.7	1.7			1.7		.6	3.9	.6	.6			92.8
WNW	3.0		3.0						7.9	2.0	1.0			89.1
NW	3.1	1.0	1.0	1.0	1.0	3.1			8.2					89.8
NNW	3.8		5.7	1.9		13.2			15.1					79.2
VARIABLE														
CALM	5.7	1.4	8.1			1.4			18.9	6.6	7.1			72.1
TOTAL	76	20	52	3	16	63		1	205	24	58	5		886
% TOTAL	6.1	1.6	4.2	.2	1.3	5.1		.1	16.5	1.9	4.7	.4		71.5

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708 % FREQ. WIND DIR. VS WEATHER MAN 68

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) JAN 73 - DEC 77 (YEARS) APRIL (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.4		13.2			1.5			27.9		2.9			66.2
NNE	23.7	1.7	3.4						25.4		3.4			66.1
NE	36.6		4.9						41.5		4.9			51.2
ENE	35.1	2.7	5.4		5.4	2.7			27.0		2.7			56.8
E	22.6	15.1	5.7					1.9	24.5		9.4			49.1
ESE	13.6	9.1							13.6					77.3
SE	14.3								21.4		14.3			64.3
SSE	6.7	16.7						3.3	16.7	3.3	16.7			60.0
S	2.7	6.2	.9					.9	15.0	.9	14.2			65.5
SSW	1.0	2.0							5.9	3.0	5.0			84.2
SW	1.4	1.4							4.1	1.4	6.8			87.7
WSW		3.4				3.4			3.4					93.1
W	1.2		1.2			1.2			1.8		4.1			91.7
WNW	4.3	2.6				4.3			4.3		.9			89.7
NW	2.4	3.6	1.2			11.9			10.7		2.4			78.6
NNW	1.9	1.9	3.8			9.4			11.3	1.9	3.8			75.5
VARIABLE														
CALM	.9		.9						3.7	2.8	7.4			86.1
TOTAL	82	36	25		2	26		3	140	10	65			932
% TOTAL	6.8	3.0	2.1		.2	2.2		.3	11.7	.8	5.4			77.7

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5208 % FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) JAN 73 - DEC 77 (YEARS) MAY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	16.9	1.4	2.8			4.2			28.2		4.2			62.0
NNE	10.0	10.0	3.3			1.7		1.7	30.0		6.7			53.3
NE	7.5	2.5	5.0			2.5			12.5	2.5	2.5			82.5
ENE	18.9	2.7							24.3		24.3			48.6
E	3.9	13.7							13.7		9.8			70.6
ESE	8.7	8.7	4.3						21.7		21.7			56.5
SE	21.1	10.5	5.3						42.1	5.3				47.4
SSE	9.2	10.8	3.1						26.2	3.1	9.2			56.9
S	6.6	2.7	1.2						15.4	4.2	14.3			63.3
SSW	.8	4.9						.8	12.3	3.3	19.7			64.8
SW		5.8	1.9					1.9	9.6	3.8	26.9			59.6
WSW		1.6							1.6		12.9			83.9
W	.9	2.6							3.5	1.8	5.3			87.7
WNW		1.9	1.9								7.5			88.7
NW	1.9	5.8	1.9						7.7					82.7
NNW	7.7	7.7						2.6	20.5		5.1			69.2
VARIABLE														
CALM	4.3	5.0	3.3						14.0	9.9	5.0			65.3
TOTAL	69	60	20			5		4	183	35	134			844
% TOTAL	5.6	4.8	1.6			.4		.3	14.8	2.8	10.8			68.1

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708 % FREQ WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) JAN 73 - DEC 77 (YEARS) JUNE (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.0	5.0	11.7						35.0	3.3	23.3			36.7
NNE	19.6	1.8	7.1					1.8	50.0		12.5			39.3
NE	10.8	5.4	2.7						13.5	2.7	10.8			59.5
ENE	8.3		2.8						16.7		5.6			75.0
E	8.2	4.1	2.0						20.4	2.0	18.4			59.2
ESE	15.4	3.8	7.7						26.9		11.5			61.5
SE	5.6								5.6		55.6			38.9
SSE	15.2	11.4	2.5						40.5	1.3	13.9			41.8
S	4.5	4.9	3.8						21.1	4.5	34.2			41.4
SSW		1.4	1.4						14.5	6.2	40.0			43.4
SW			1.8						8.9	1.8	37.5			53.6
WSW	2.0								2.0	4.1	36.7			57.1
W		2.9							7.4		19.1			72.1
WNW		7.9					2.6	5.3	5.3	7.9	21.1			65.8
NW	2.6								7.9	5.3	13.2			76.3
NNW	6.9	3.4	10.3						24.1	3.4				69.0
VARIABLE														
CALM	~~2.0~~	~~2.7~~	.7						~~19.3~~	~~14.0~~	~~13.3~~			~~59.5~~
TOTAL	67	43	35				1	3	236	56	294			621
% TOTAL	5.6	3.6	2.9				.1	.3	19.7	4.7	24.5			51.8

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5708% FREQ. WIND DIR VS WEATHER JAN 68

1195.

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) JAN 73 - DEC 77 (YEARS) JULY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.4	3.4	10.2					1.7	25.4	3.4	18.6			54.2
NNE								3.1	6.3	3.1	18.8			75.0
NE		4.3							4.3		13.0			78.3
ENE	5.0		5.0						10.0		35.0			55.0
E	5.6	2.8							22.2		16.7			61.1
ESE		8.3							8.3		25.0			66.7
SE		14.3	7.1						21.4		7.1			64.3
SSE	5.8	5.8						3.8	23.1	3.8	19.2			51.9
S	3.1	4.2	.4					.8	11.9	7.7	48.0			37.2
SSW	2.1	5.5	.7					2.1	15.2	6.9	43.4			38.6
SW		4.8	1.6						11.1	6.3	46.0			41.3
WSW		3.8						1.3	2.5	3.8	46.8			46.8
W	.9	3.4						1.8	2.7	5.4	35.1			55.9
WNW		1.8						1.8	7.3		23.6			69.1
NW		6.1	3.0					6.1	6.1		24.2			69.7
NNW		2.7	5.4						5.4		16.2			75.7
VARIABLE														
CALM	1.9	1.4	1.0					1.0	18.4	16.8	18.8			51.9
TOTAL	24	48	16					17	149	83	401			626
% TOTAL	1.9	3.9	1.3					1.4	12.0	6.7	32.3			50.5

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5 % FREQ. WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790	SOUTH WEYMOUTH, MASSACHUSETTS	JAN 73 - DEC 77	AUGUST	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.1	8.5	22.0					2.4	45.1	3.7	19.5			35.4
NNE	9.3	3.9	9.8					2.0	35.3	2.0	21.6			43.1
NE	3.6	3.6							10.7		17.9			71.4
ENE		3.4	3.4					3.4	6.9		27.6			62.1
E	11.9	2.4	4.8						26.2		16.7			57.1
ESE	8.7	4.3						4.3	21.7		34.8			43.5
SE	8.3	8.3	8.3						33.3		33.3			33.3
SSE	2.8	2.8							13.9	8.3	25.0			58.3
S	1.3	8.4						1.8	15.9	8.8	46.5			31.0
SSW		8.6						1.0	9.5	7.6	54.3			26.7
SW	1.8	1.8						1.8	19.6	7.1	30.0			30.4
WSW									10.3	6.9	46.6			44.8
W	1.1	2.2							5.2	2.2	31.2			64.3
WNW		1.9						1.9	3.8		25.0			71.2
NW		6.7						2.2	8.9	4.4	24.4			62.2
NNW	4.5	2.3	2.3						15.9	6.8	29.5			52.3
VARIABLE														
CALM	.4	2.0						.4	11.8	10.6	23.6			50.3
TOTAL	29	57	29					14	197	76	413			587
% TOTAL	2.3	4.6	2.3					1.1	15.9	6.1	33.3			47.3

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708% FREQ WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) JAN 73 - DEC 77 (YEARS) SEPTEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	18.3	5.0	5.0						40.0	3.3	11.7			41.7
NNE	27.9		4.7						44.2	2.3	4.7			41.9
NE	22.7	9.1	11.4						43.2		6.8			45.5
ENE	25.9		18.5						40.7		11.1			40.7
E	17.6	8.8	2.9						26.5		20.6			44.1
ESE	15.8	21.1							31.6	10.5	21.1			26.3
SE	9.7	9.7						3.2	25.8	3.2	22.6			45.2
SSE	7.0	4.7							32.6	4.7	14.0			46.5
S	1.1	7.7	1.1					1.6	17.6	11.5	33.0			38.5
SSW	3.2	5.4	1.1					1.1	23.7	6.5	29.0			44.1
SW		2.2							4.4	8.9	37.8			53.3
WSW	2.6								10.5		23.7			65.8
W		.8						.8	1.6	2.4	13.7			82.3
WNW	1.3	2.7							9.3	2.7	10.7			77.3
NW	1.8								3.6	3.6	3.6			90.9
NNW	8.3	2.1	10.4						31.3	6.3	4.2			58.3
VARIABLE														
CALM	6.2	2.9	1.7					.4	13.5	10.9	16.2			62.3
TOTAL	77	50	28					7	233	75	215			675
% TOTAL	6.4	4.2	2.3					.6	19.4	6.3	17.9			56.3

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5708 % FREQ. WIND VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790	SOUTH WEYMOUTH, MASSACHUSETTS	JAN 73 - DEC 77	OCTOBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.0		11.3			1.3			30.0		10.0			61.3
NNE	23.1	1.9	19.2						46.2		15.4			40.4
NE	25.0		19.4						55.6		13.9			30.6
ENE	23.3		3.3						30.0		6.7			60.0
E	28.6	4.8							35.7	2.4	4.8			50.0
ESE	30.4	4.3							34.8	8.7				52.2
SE	38.9		5.6						55.6	11.1				33.3
SSE	18.5		3.7						25.9	7.4	3.7			63.0
S	5.5	5.5	1.6						20.3	9.4	18.8			50.8
SSW		2.7							10.9	3.6	24.5			62.7
SW	5.1	6.8							13.6	6.8	10.2			69.5
WSW		1.4							1.4		10.0			88.6
W		4.6							5.5	.9	7.3			84.4
WNW									1.5	1.5	5.9			91.2
NW	8.5		1.2						9.8	2.4	1.2			81.7
NNW	9.3	1.3	8.0			1.3			14.7	2.7	1.3			74.7
VARIABLE														
CALM	1.7	.9							13.4	6.1	3.9			75.8
TOTAL	91	27	38			2			221	47	113			844
% TOTAL	7.3	2.2	3.1			.2			17.8	3.8	9.1			68.1

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708 % FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | JAN 73 - DEC 77 (YEARS) | NOVEMBER (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.0	4.1	10.2						36.7		6.1			55.1
NNE	17.6	2.0	9.8			3.9			45.1		5.9			45.1
NE	21.4	3.6	7.1						35.7					53.6
ENE	20.8		20.8						41.7		4.2			41.7
E	30.7	6.7	13.3			3.3			53.3		10.0			13.3
ESE	9.1	9.1	9.1						54.5		27.3			18.2
SE	18.8		6.3						56.3	6.3	12.5			25.0
SSE	12.5	16.7							33.3	4.2	4.2			45.8
S	7.1		.7			.7			17.0	5.7	17.0			66.0
SSW	3.9	1.9							12.6	5.8	6.8			72.8
SW	1.3	2.7							8.0	4.0	9.3			78.7
WSW		1.0				1.0			1.9	1.0	3.8			92.3
W	1.1	.6	1.1			.6			4.6	.6	4.6			89.7
WNW	2.2	1.1							4.4		5.6			88.9
NW	2.5		2.5			5.0			17.5		2.5	2.5		77.5
NNW	13.5	1.9			1.9	5.8			23.1	5.8	5.8			61.5
VARIABLE														
CALM	2.1	1.6	1.6			.5			12.8	3.3	6.9			73.4
TOTAL	70	22	30		1	12			200	34	88	1		856
% TOTAL	5.8	1.8	2.5		.1	1.0			16.7	2.8	7.3	.1		71.3

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5708% FREQ. WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790	SOUTH WEYMOUTH, MASSACHUSETTS	JAN 73 - DEC 77	DECEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.3	1.4	11.6	1.4	1.4	20.3			24.6		13.0	10.1		49.3
NNE	33.3		2.6			15.4			41.0		5.1			41.0
NE	28.0		8.0		8.0	16.0			32.0					44.0
ENE	22.6	3.2	3.2	3.2		12.9			22.6		3.2			48.4
E	42.1	5.3	5.3			10.5			57.9	5.3				26.3
ESE	21.4	7.1				7.1			28.6		7.1			57.1
SE	16.0	8.0	8.0			20.0			32.0	4.0	8.0			40.0
SSE	12.8	5.1	2.6						23.1	5.1	10.3			61.5
S	17.9	3.6	3.6			1.8			23.2	4.5	4.5			58.0
SSW	4.5	3.4	1.1			2.3			17.0	4.5	12.5			60.2
SW	5.6	1.9	1.9			3.7			7.4	9.3	13.0			66.7
WSW		2.6			1.3	3.9			5.3	1.3	5.3			82.9
W	.5	.5				2.0			2.0	.5	3.0	.5		92.5
WNW	.9					4.5			3.6		1.8			92.8
NW	2.3		2.3	1.1		8.0			14.8	1.1	2.3	2.3		78.4
NNW	3.2	1.3	6.5	3.9	1.3	18.2			29.9		2.6			59.7
VARIABLE														
CALM	3.9		4.1			1.5			9.9	4.7	7.6			75.0
TOTAL	90	20	36	6	5	81			190	29	71	10		873
% TOTAL	7.3	1.6	2.9	.5	.4	6.5			15.3	2.3	5.7	.8		70.4

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5700% FREQ. WIND DIR. VS WEATHER JAN 68

1195

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14790	SOUTH WEYMOUTH, MASSACHUSETTS	JAN 73 - DEC 77	ALL	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.6	2.3	10.1	.5	.6	10.2		.4	32.8	1.3	10.1	1.7		50.5
NNE	16.3	2.7	6.7		.5	9.0		.7	34.3	.9	8.8	.7		47.3
NE	16.9	2.6	6.7	.5	2.1	6.9		.3	31.0	.5	7.4			52.6
ENE	17.3	1.2	6.6	.6	1.8	5.1		.3	25.1		11.3			54.6
E	20.3	5.1	3.8		.9	4.5		.2	31.2	.7	10.4	.2		47.9
ESE	17.3	6.8	3.2		.5	2.3		.5	28.6	2.3	13.6			30.5
SE	16.5	5.7	4.3		.4	4.3		.4	30.9	3.0	14.8			45.7
SSE	11.9	6.9	2.2	.2	.2	1.0		.8	26.4	3.6	12.3			53.2
S	5.9	4.4	1.7			.6		.5	18.5	5.7	25.4			49.8
SSW	3.1	3.3	.9		.1	.5		.5	13.3	4.7	23.4			58.3
SW	1.6	2.6	.7			1.0		.3	9.1	4.3	20.4			67.2
WSW	.5	1.5			.1	1.3		.1	5.7	2.1	14.3	.1		78.8
W	.7	1.4	.5			.7		.2	3.4	1.0	8.6	.6		85.2
WNW	1.5	1.2	.5			2.3	.1	.4	4.6	.8	6.6	.1		85.6
NW	2.3	1.4	1.3	.2	.1	4.7		.4	8.8	1.4	4.1	1.0		81.7
NNW	5.8	1.9	5.0	1.4	.3	8.8		.2	19.4	2.0	9.4	.6		66.8
VARIABLE														
CALM	2.6	1.6	1.5			.9		.2	12.6	3.6	10.8			58.2
TOTAL	816	395	352	20	34	402	1	51	2278	503	1958	44		9481
% TOTAL	5.6	2.7	2.4	.1	.2	2.8	.0	.3	15.6	3.4	13.4	.3		64.9

TOTAL NUMBER OF OBSERVATIONS 14,608

NAVWEASERVCOM

5708% FREQ WIND DIR. VS WEATHER JAN 68

NWSD, Federal Building

Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. **The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.**

2. **The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.**

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

*** Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,**

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

14790 SOUTH WEYMOUTH, MASSACHUSETTS 54-77
STATION STATION NAME YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	47.8	17.3	.7	7.0	4.5	6.3	8.2	5.1	2.8	.1				34.9	682	3.89	9.57	.78
FEB	48.3	13.2	1.7	7.1	5.4	7.8	6.8	5.7	3.8	.2				38.5	650	4.04	6.40	1.72
MAR	47.5	16.4	2.6	6.6	4.7	6.7	7.3	5.0	2.9	.1				36.1	682	3.85	8.10	1.51
APR	50.3	14.4	2.2	6.1	4.2	8.3	4.6	6.7	2.9	.3				35.3	720	3.83	7.98	1.51
MAY	50.0	14.1	4.2	6.3	5.1	8.3	5.5	4.0	2.3	.1				35.9	744	3.22	8.17	.52
JUN	52.2	12.0	5.5	6.8	5.4	6.7	5.5	4.1	1.9					35.8	690	2.70	6.93	.69
JUL	57.7	12.1	3.8	6.7	4.8	4.6	5.0	3.9	1.5					30.2	744	2.52	4.92	.67
AUG	59.3	10.8	2.8	6.3	3.5	6.1	4.6	4.0	2.0	.3	.3			30.0	651	3.57	17.39	1.08
SEP	61.2	9.2	2.6	5.8	3.5	6.2	4.5	4.4	1.5	1.1				29.5	660	3.63	8.33	.57
OCT	61.6	8.3	3.4	3.9	4.6	6.3	4.8	3.5	3.5	.1				30.2	713	3.67	8.93	1.22
NOV	48.1	12.8	2.8	9.0	3.6	7.8	6.2	5.8	3.8	.1				39.1	690	4.26	7.72	.74
DEC	45.6	14.9	2.6	6.6	4.8	7.2	8.3	4.9	4.8	.3				39.5	651	4.86	9.53	1.20
ANNUAL	52.5	13.0	2.9	6.5	4.5	6.9	5.9	4.8	2.8	.2	.0			34.6	8277	44.04		

NAVWEASERVCOM

5722 Daily Amounts Jan. 1969

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

21169

16790 SOUTH WEYMOUTH, MASSACHUSETTS 54-77
STATION STATION NAME YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	63.7	18.9	4.5	5.6	1.8	1.8	1.0	.8	1.3	.6				17.4	713	12.4	31.2	.4
FEB	60.6	18.6	4.5	6.4	3.9	1.4	1.3	1.8	1.0	.5				20.7	622	13.0	42.5	2.0
MAR	68.3	17.9	2.3	5.0	2.1	.9	1.3	1.3	.7	.1				13.8	682	10.2	24.7	TRACE
APR	88.6	8.3	1.4	1.1	.1	.1		.1	.1					3.1	720	1.2	8.0	.0
MAY	99.6	.4													744	TRACE	TRACE	.0
JUN	100.0														720	.0	.0	.0
JUL	100.0														744	.0	.0	.0
AUG	100.0														744	.0	.0	.0
SEP	100.0														720	.0	.0	.0
OCT	98.1	1.6	.1	.1										.3	744	TRACE	.8	.0
NOV	89.3	8.7	.7	.7	.4	.1								2.0	690	.6	4.0	.0
DEC	66.7	18.6	3.7	4.3	2.2	1.6	1.3	.9	.4	.3				14.7	682	9.6	29.6	TRACE
ANNUAL	86.2	7.7	1.4	1.9	.9	.5	.4	.4	.3	.1				6.0	8525	47.0		

NAVWEASERVCOM

5722 Daily Amounts Jan. 1969

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

14790 SOUTH WEYMOUTH, MASSACHUSETTS 54-77
STATION STATION NAME YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	47.4	7.3	7.9	8.6	5.2	5.9	12.1	5.8						45.3	713			
FEB	45.2	9.8	9.7	5.1	5.2	11.2	8.5	4.8	.5					44.9	650			
MAR	68.2	5.3	6.6	5.0	4.2	3.8	3.8	1.8	1.3					26.5	713			
APR	97.5	1.5	.4		.3	.1	.1							1.0	720			
MAY	100.0														744			
JUN	100.0														720			
JUL	100.0														744			
AUG	100.0														744			
SEP	100.0														720			
OCT	99.7	.3													744			
NOV	96.8	1.1	1.3	.7	.1									2.1	720			
DEC	68.3	7.4	6.2	4.6	3.1	6.0	3.2	1.2						24.3	744			
ANNUAL	85.3	2.7	2.7	2.0	1.5	2.2	2.3	1.1	.1					12.0	8676			

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5722 Daily Amounts Jan. 1969

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 54-77 (YEARS)

197063

5723 Extreme Values Jan 1969

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54				2.83	2.24	.84	1.36						
55	.55	2.04	.84	1.09	.52	1.07	1.95	6.23	1.25	2.35	2.80	.69	6.23
56	1.42	.85	1.30	1.12	.61		1.15		1.65	2.10	1.10	1.49	
57	.97	.37	1.35	1.73	1.02	.33	.31	1.16	.25	1.03	1.82	1.35	1.82
58	2.65	2.10	1.26	1.32	.72	.40	.98		1.64	1.02	1.05	1.04	
59	.72	.79	1.03	.89	.83	1.59	1.00	.82	.36	1.64	.98	1.00	1.64
60	1.05	1.55	1.06	1.35	.71	.62	2.07	.90	3.27	.81	.84	1.53	3.27
61	1.48	2.11	.90	1.24	1.51	.60	.80	1.40	3.93	1.71	.93		
62		.70	1.09	2.56	.37	.63	.84	1.93	1.78	2.80	1.24	1.44	
63	1.26	1.18	.92	1.15	1.20	.75	.96	1.07		1.32	1.72		
64	1.35	1.23		1.43	.20	.33	.91	.38	.77	.83	1.51	1.14	
65	1.31	1.91	.48	.82	.32	1.07	1.01	.51	1.07	.94	.61	.86	1.91
66	1.31	1.47	.59	.46	1.60	1.10	1.14	.71	3.55	1.71	1.44	.83	3.55
67	.94	1.25	1.92	.68	2.92	1.53	.80	.86	2.67	.45	.64	1.67	2.92
68	.92	1.07	3.88	.78	1.29	1.14	.38	1.29	.85	1.10	1.86	1.52	3.88
69	.59	1.12	2.14	1.26	1.15	.69	.96	.67	1.60	1.09	1.53	2.64	2.64
70	.78	2.67	.84	2.10	.87	.99	.50	1.05	.49	1.73	1.78	2.47	2.67
71	.66	1.22	1.13	1.19	1.08	.58	1.01	.72	.59	2.25	1.84	.65	2.25
72	.49	2.11	1.74	.80	1.23	.86	.66	.42	3.76	.96	1.55	1.29	3.76
73	.96	2.20	.65	.92	1.33	1.54	.68	2.83	.98	1.15	.64	2.69	2.83
74	.71	.80	2.03	.88	.76	1.51	.64	1.28	1.69	2.46	.75	1.55	2.46
75	1.25	1.29	.93	1.82	.74	1.14	1.28	1.55	1.47	2.01	1.59	1.03	2.01
76	1.30	.95	.53	.77	.52	.42	1.24	3.15	.81	2.44	.29	1.30	3.15
77	1.54	.66	1.44	1.36	2.03	1.58	.64	.76	1.09	1.27	.88	1.74	2.03
MEAN	1.10	1.38	1.27	1.27	1.07	.93	.97	1.41	1.61	1.53	1.28	1.42	2.88
S. D.	.473	.607	.750	.581	.644	.419	.419	1.315	1.122	.645	.572	.582	1.102
TOTAL OBS.	682	650	682	720	744	690	744	651	660	713	690	651	8277

NAVWEASERVCOM

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 54-77 (YEARS)

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54			.68 17					.93 30	TRACE 13	.00 17	.00 16	.80 25	PRECIP DAYS
56						1.19 29		.71 30					PRECIP DAYS
58								.95 29					PRECIP DAYS
61												.77 27	PRECIP DAYS
62	1.78 30												PRECIP DAYS
63									1.15 28			.62 30	PRECIP DAYS
64			.59 29										PRECIP DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

14790 SOUTH WEYMOUTH, MASSACHUSETTS 54-77
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54				TRACE	.0	.0	.0	.0	.0	.0		8.0	
55	1.0	5.0	3.4	.3	.0	.0	.0	.0	.0	.0	1.0	1.9	5.0
56	8.2	5.0	13.0	8.0	.0	.0	.0	.0	.0	.0	TRACE	6.0	13.0
57	9.7	2.0	10.2	1.0	.0	.0	.0	.0	.0	TRACE	.2	.2	10.2
58	4.0	2.0	5.0	5.3	.0	.0	.0	.0	.0	.0	TRACE	5.0	5.3
59	1.0	5.0	6.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.4	6.0
60	3.8	1.4	10.3	TRACE	.0	.0	.0	.0	.0	TRACE	.0	14.0	14.0
61	15.2	1.9	2.3	TRACE	.0	.0	.0	.0	.0	TRACE	.1		
62	3.4	7.0	.2	.2	.0	.0	.0	.0	.0	TRACE	.8	3.4	7.0
63	5.2		4.0	TRACE	.0	.0	.0	.0	.0	.3	TRACE		
64	9.0	11.9		TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.7	
65	12.2	1.8	2.0	.7	.0	.0	.0	.0	.0	.0	TRACE	.2	12.2
66	10.5	8.0	2.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.1	10.5
67	1.1	11.1	6.1	3.4	TRACE	.0	.0	.0	.0	TRACE	1.4	4.5	11.1
68	7.1	1.1	2.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.4	7.1
69	.2	11.0	9.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.1	11.0
70	7.8	5.6	8.4	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	6.8	8.4
71	6.6	3.7	2.5	1.0	.0	.0	.0	.0	.0	.0	2.5	4.0	6.6
72	1.8	5.0	6.0	.8	.0	.0	.0	.0	.0	TRACE	1.0	2.0	6.0
73	2.0	6.3	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	6.3
74	7.1	6.0	TRACE	1.4	.0	.0	.0	.0	.0	.0	1.6	4.1	7.1
75	3.5	8.5	1.3	2.0	.0	.0	.0	.0	.0	.8	2.0	10.0	10.0
76	9.4	1.8	3.1	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	12.0	12.0
77	13.0	3.1	4.3	TRACE	TRACE	.0	.0	.0	.0	.0	.4	3.4	13.0
MEAN	6.21	5.19	4.71	1.00	TRACE	.00	.00	.00	.00	.05	.48	4.65	9.09
S. D.	4.265	3.309	3.544	1.963	.000	.000	.000	.000	.000	.172	.749	3.672	2.915
TOTAL OBS.	713	622	682	720	744	720	744	744	720	744	690	682	8525

NAVWEASERVCOM

197067

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 54-77 YEARS

24 HOUR AMOUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54			.1 17								.0 28		SNOFALL DAYS
61												1.0 29	SNOFALL DAYS
63		4.7 27										3.0 30	SNOFALL DAYS
64			2.0 29										SNOFALL DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

14790 SOUTH WEYMOUTH, MASSACHUSETTS 54-77
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54				0	0	0	0	0	0	0	0	8	
55	1	5	3	TRACE	0	0	0	0	0	0	2	1	5
56	8	4	20	3	0	0	0	0	0	0	TRACE	5	20
57	13	4	8	0	0	0	0	0	0	0	TRACE	TRACE	13
58	10	21	4	0	0	0	0	0	0	0	0	5	21
59	1	6	7	0	0	0	0	0	0	0	TRACE	3	7
60	7	1	19	0	0	0	0	0	0	TRACE	0	14	19
61	16	27	2	TRACE	0	0	0	0	0	0	1	6	27
62	3	13	5	TRACE	0	0	0	0	0	0	1	3	13
63	5	3	6	0	0	0	0	0	0	TRACE	0	11	11
64	11	18	4	0	0	0	0	0	0	0	0	4	18
65	19	4	2	TRACE	0	0	0	0	0	0	0	TRACE	19
66	14	16	3	0	0	0	0	0	0	0	0	5	16
67	1	11	9	3	0	0	0	0	0	0	1	4	11
68	13	1	3	0	0	0	0	0	0	0	0	2	13
69	TRACE	28	36	0	0	0	0	0	0	0	0	6	36
70	13	4	8	11	0	0	0	0	0	0	0	14	14
71	19	3	2	1	0	0	0	0	0	0	3	5	19
72	4	8	7	TRACE	0	0	0	0	0	0	1	2	8
73	2	6	2	0	0	0	0	0	0	0	0	0	6
74	14	6	0	TRACE	0	0	0	0	0	0	2	4	14
75	3	13	1	1	0	0	0	0	0	0	1	15	15
76	13	2	4	0	0	0	0	0	0	0	0	13	13
77	19	10	5	0	0	0	0	0	0	0	TRACE	2	19
MEAN	9.1	9.2	7.0	.8	.0	.0	.0	.0	.0	TRACE	.5	5.5	15.5
S. D.	6.424	7.940	8.059	2.340	.000	.000	.000	.000	.000	.000	.834	4.644	6.934
TOTAL OBS.	713	650	713	720	744	720	744	744	720	744	720	744	8676

NAVWEASERVCOM

19707 1
5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

14790 SOUTH WEYMOUTH, MASSACHUSETTS 54-77
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54			TRACE										SNO DPTH
			17										DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1955-1977 — YEARS

JANUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.07	27	1958	6.6	168	1971
2	0.72	18	1959	3.9	99	1966
3	0.95	24	1960	1.4	36	1968
4	0.56	14	1973	2.1	53	1974
5	0.17	4	1972	1.5	38	1972
6	1.78	45	1962	1.1	28	1968
7	1.30	33	1977	13.0	330	1977
8	0.58	15	1958	2.4	61	1966
9	1.42	36	1956	7.1	180	1974
10	1.54	39	1977	4.8	122	1974
11	1.09	28	1956	4.0	102	1976
12	0.94	24	1976	9.4	239	1976
13	1.19	30	1975	9.0	229	1964
14	0.92	23	1968	3.3	84	1971
15	2.65	67	1958	2.3	58	1977
16	1.31	33	1965	12.2	310	1965
17	1.05	27	1956	8.2	208	1956
18	0.69	18	1975	2.0	51	1965
19	1.05	27	1960	3.0	76	1960
20	1.48	38	1961	15.2	386	1961
21	0.78	20	1970	7.8	198	1970
22	1.12	28	1958	2.5	63	1976
23	1.31	33	1966	10.5	267	1966
24	0.58	15	1965	4.6	117	1965
25	1.35	34	1964	7.0	178	1968
26	0.49	12	1958	1.0	25	1971*
27	1.26	32	1963	5.2	132	1963
28	1.30	33	1976	5.3	135	1964
29	0.96	24	1973	2.8	71	1957
30	0.91	23	1966	5.6	142	1966
31	0.12	3	1966	1.5	38	1966
Monthly	2.65	67	1958	15.2	386	1961

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.56	14	1955	5.0	127	1955
2	2.20	56	1973	6.0	152	1974
3	2.67	68	1970	2.3	58	1966
4	2.11	54	1961	1.9	48	1961
5	1.29	33	1975	8.5	216	1975
6	0.99	25	1964	1.8	46	1976
7	1.25	32	1967	11.1	282	1967
8	0.93	24	1971	2.5	63	1971
9	1.12	28	1969	9.0	229	1969
10	1.28	33	1970	7.1	180	1969
11	2.04	52	1955	6.3	160	1973
12	1.18	30	1963	5.2	132	1975
13	1.47	37	1966	1.3	33	1957
14	0.74	19	1960	7.0	178	1962
15	0.65	17	1970	4.0	102	1970
16	2.10	53	1958	9.9	251	1964
17	1.02	26	1955	3.0	76	1974
18	0.51	13	1976	4.4	112	1967
19	2.11	54	1972	11.9	302	1964
20	0.32	8	1971	1.6	41	1977
21	0.28	7	1967	1.8	46	1967
22	0.80	20	1974	2.0	51	1962
23	0.69	18	1967	4.3	109	1959
24	1.27	32	1975	11.0	279	1969
25	1.91	49	1965	8.0	203	1966
26	1.55	39	1960	6.0	152	1969
27	0.62	16	1955	2.0	51	1969
28	1.72	44	1958	5.6	142	1970
29	0.30	8	1968	1.5	38	1964
30						
31						
Monthly	2.67	68	1970	11.9	302	1964

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

5724 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1954-1977 — YEARS

MARCH — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.59	15	1966	5.2	132	1957
2	0.34	9	1956	2.2	56	1963
3	1.74	44	1972	9.0	229	1969
4	1.13	29	1971	10.3	262	1960
5	0.60	15	1972	6.0	152	1972
6	1.03	26	1959	1.2	30	1967
7	1.92	49	1967	3.5	89	1967
8	1.14	29	1957	1.0	25	1961
9	0.90	23	1961	3.1	79	1976
10	0.13	3	1963	1.0	25	1976
11	0.32	8	1971	2.5	63	1971
12	1.09	28	1962	6.0	152	1959
13	1.44	37	1977	2.8	71	1970
14	1.26	32	1958	5.0	127	1958
15	0.74	19	1958	5.7	145	1967
16	0.64	16	1959	6.0	152	1956
17	1.82	46	1968	1.7	43	1960
18	3.88	99	1968	4.3	109	1977
19	1.30	33	1956	13.0	330	1956
20	1.35	34	1957	10.2	259	1957
21	2.03	52	1974	5.0	127	1958
22	1.44	37	1977	6.1	155	1967
23	1.14	29	1977	1.6	41	1977
24	1.10	28	1956	1.1	28	1956
25	2.14	54	1969	T	T	1954
26	0.43	11	1965	T	T	1974*
27	0.47	12	1959	4.0	102	1959
28	0.28	7	1976	T	T	1972*
29	0.84	21	1970	8.4	213	1970
30	0.50	13	1956	2.0	51	1969
31	0.60	15	1970	6.0	152	1970
Monthly	3.88	99	1968	13.0	330	1956

APRIL — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.56	65	1962	T	T	1961*
2	2.10	53	1970	T	T	1977*
3	1.82	46	1975	T	T	1972*
4	0.65	17	1955	0.6	15	1975
5	1.37	35	1957	1.0	25	1957
6	1.32	34	1958	1.0	25	1971
7	1.19	30	1971	3.4	86	1967
8	1.22	31	1957	8.0	203	1956
9	1.73	44	1957	0.7	18	1957
10	0.80	20	1961	1.4	36	1974
11	1.20	30	1958	5.3	135	1958
12	0.36	9	1965	T	T	1976*
13	0.83	21	1961	0.2	5	1957
14	1.43	36	1964	T	T	1965*
15	1.12	28	1964	T	T	1962
16	1.24	31	1961	0.3	8	1971
17	2.83	72	1954	T	T	1972*
18	0.68	17	1967	0.7	18	1965
19	1.26	32	1969	0.1	3	1967
20	0.80	20	1972	0.8	20	1972
21	0.15	4	1970			
22	1.22	31	1958			
23	0.96	24	1954	T	T	1956
24	0.52	13	1977*	T	T	1967
25	0.79	20	1955	0.1	3	1971
26	0.67	17	1973	T	T	1975*
27	0.89	23	1959	0.4	10	1975
28	1.24	31	1958	T	T	1966
29	1.14	29	1962	0.3	8	1971
30	1.15	29	1963			
31						
Monthly	2.83	72	1954	8.0	203	1956

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

124 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

5724 DAILY AMOUNTS MAR 1978

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1954-1977 — YEARS

MAY — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.37	9	1976*			
2	0.63	16	1963			
3	1.06	27	1972			
4	0.57	14	1972			
5	0.52	13	1955			
6	0.72	18	1958			
7	0.86	22	1967	T	T	1967
8	0.82	21	1954			
9	2.03	52	1977	T	T	1977
10	1.03	26	1977	T	T	1977
11	1.05	27	1975			
12	1.29	33	1968			
13	0.74	19	1975			
14	0.45	11	1959			
15	1.24	31	1954			
16	2.24	57	1954			
17	0.58	15	1970			
18	1.20	30	1963			
19	0.48	12	1966			
20	1.15	29	1969			
21	0.96	24	1954			
22	0.24	6	1966			
23	0.33	8	1958			
24	0.71	18	1960			
25	2.92	74	1967			
26	1.51	38	1961			
27	1.02	26	1957			
28	1.60	41	1966			
29	0.54	14	1963			
30	0.68	17	1959			
31	0.61	15	1956			
Monthly	2.92	74	1967	T	T	1977*

JUNE — MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.48	12	1960			
2	0.96	24	1959			
3	1.19	30	1956			
4	0.62	16	1960			
5	0.63	16	1962			
6	1.14	29	1975			
7	0.54	14	1977			
8	0.58	15	1971			
9	0.75	19	1963			
10	1.58	40	1977			
11	1.08	27	1977			
12	1.07	27	1955			
13	1.59	40	1959			
14	0.70	18	1959			
15	0.42	11	1954			
16	0.90	23	1956			
17	1.51	38	1974			
18	0.51	13	1959			
19	0.83	21	1972			
20	1.53	39	1967			
21	0.20	5	1974*			
22	0.60	15	1961			
23	0.84	21	1954			
24	0.61	15	1962			
25	0.36	9	1966			
26	1.23	31	1977			
27	0.64	16	1970			
28	1.14	29	1968			
29	0.37	9	1973			
30	1.54	39	1973			
31						
Monthly	1.59	40	1959			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1954-1977 — YEARS

JULY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.24	31	1976			
2	0.53	13	1959			
3	0.80	20	1967			
4	0.68	17	1973			
5	1.15	29	1956			
6	0.48	12	1961			
7	1.14	29	1966			
8	0.95	24	1963			
9	0.91	23	1964			
10	0.87	22	1975			
11	0.68	17	1959			
12	1.28	33	1975			
13	0.96	24	1969			
14	2.07	53	1960			
15	0.75	19	1959			
16	0.80	20	1961			
17	1.01	26	1965			
18	0.32	8	1965			
19	0.90	23	1971			
20	1.00	25	1959			
21	1.36	35	1954			
22	0.09	2	1957*			
23	0.92	23	1958			
24	1.95	50	1955			
25	0.64	16	1977			
26	0.27	7	1954			
27	0.19	5	1960			
28	0.46	12	1969			
29	0.98	25	1958			
30	1.12	28	1976			
31	0.57	14	1961			
Monthly	2.07	53	1960			

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.64	16	1976			
2	0.80	20	1963			
3	0.93	24	1954			
4	0.39	10	1958			
5	0.55	14	1975			
6	0.18	5	1967			
7	1.55	39	1975			
8	2.14	54	1976			
9	3.15	80	1976			
10	0.82	21	1960			
11	1.05	27	1970			
12	1.71	43	1955			
13	1.07	27	1963			
14	0.33	8	1972			
15	2.83	72	1973			
16	0.34	9	1966			
17	1.28	33	1974			
18	6.23	158	1955			
19	5.65	144	1955			
20	0.35	9	1970			
21	0.73	19	1961			
22	0.32	8	1964			
23	1.83	46	1955			
24	0.60	15	1959			
25	1.16	29	1957			
26	0.73	19	1957			
27	1.10	28	1955			
28	0.62	16	1962			
29	1.93	49	1962			
30	1.50	38	1975			
31	0.42	11	1973			
Monthly	6.23	158	1955			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

5724 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1954-1977 — YEARS

SEPTEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.36	9	1959			
2	0.81	21	1976			
3	3.76	96	1972			
4	3.55	90	1966			
5	0.08	2	1962			
6	0.87	22	1956			
7	0.84	21	1974			
8	0.59	15	1969			
9	1.60	41	1969			
10	0.41	10	1977			
11	0.85	22	1968			
12	3.05	77	1960			
13	1.07	27	1965			
14	0.65	17	1964			
15	1.24	31	1961			
16	0.68	17	1958			
17	1.64	42	1958			
18	0.98	25	1973			
19	1.00	25	1972			
20	3.27	83	1960			
21	3.93	100	1961			
22	0.36	9	1964			
23	0.98	25	1975			
24	1.47	37	1975			
25	3.02	77	1961			
26	1.09	28	1977			
27	1.78	45	1962			
28	1.65	42	1956			
29	2.67	68	1967			
30	0.15	4	1967			
31						
Monthly	3.93	100	1961			

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.27	32	1977			
2	0.26	7	1976			
3	1.71	43	1961			
4	0.32	8	1956			
5	2.11	54	1962			
6	2.80	71	1962			
7	1.91	49	1962	T	T	1967
8	1.03	26	1957			
9	2.44	62	1976			
10	2.25	57	1971			
11	0.45	11	1975			
12	0.86	22	1975			
13	0.30	8	1975			
14	0.82	21	1977			
15	2.35	60	1955	T	T	1961
16	2.46	62	1974			
17	0.83	21	1964	T	T	1976*
18	2.01	51	1975	T	T	1972
19	1.71	43	1966	T	T	1972
20	1.37	35	1976			
21	0.55	14	1976			
22	0.10	3	1961	T	T	1969
23	2.10	53	1956	T	T	1969
24	0.84	21	1959	T	T	1960
25	0.49	12	1958	T	T	1960
26	0.72	18	1958	T	T	1962
27	0.31	8	1957	T	T	1957
28	0.43	11	1958			
29	1.32	34	1969			
30	1.15	29	1973	0.8	20	1975
31	1.02	26	1955			
Monthly	2.80	71	1962	0.8	20	1975

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

5724 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1954-1977 — YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.82	46	1957			
2	1.78	45	1970	T	T	1965*
3	1.45	37	1969			
4	2.13	54	1955			
5	2.80	71	1955	T	T	1966
6	1.26	32	1966	T	T	1976*
7	1.72	44	1963	T	T	1971*
8	1.55	39	1972	T	T	1977*
9	0.81	21	1972	T	T	1967
10	1.53	39	1969	T	T	1976*
11	0.84	21	1955	T	T	1971*
12	1.86	47	1968	T	T	1975*
13	1.59	40	1975	T	T	1968*
14	1.53	39	1972	T	T	1962
15	0.41	10	1970	1.4	36	1967
16	0.36	9	1955	T	T	1955
17	0.34	9	1959	T	T	1968*
18	1.10	28	1956	0.8	20	1962
19	0.55	14	1957	1.0	25	1955
20	1.18	30	1972	0.1	3	1961
21	0.90	23	1975	1.5	38	1971
22	0.67	17	1962	2.5	63	1971
23	0.64	16	1967	T	T	1970*
24	0.98	25	1959	2.0	51	1975
25	1.84	47	1971	0.4	10	1974
26	1.51	38	1964	1.6	41	1974
27	0.85	22	1975			
28	0.85	22	1959	0.4	10	1977
29	1.64	42	1963	T	T	1977*
30	0.59	15	1957	T	T	1969*
31						
Monthly	2.80	71	1955	2.5	63	1971

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.07	27	1977	1.0	25	1969
2	1.55	39	1974	T	T	1976*
3	1.59	40	1967	0.6	15	1963
4	1.52	39	1968	2.0	51	1972
5	1.44	37	1962	3.4	86	1977
6	1.23	31	1972	4.6	117	1954
7	0.93	24	1976	0.5	13	1954
8	1.41	36	1969	T	T	1975*
9	1.25	32	1956	3.0	76	1956
10	1.35	34	1957	T	T	1962*
11	0.80	20	1969	2.5	63	1970
12	1.42	36	1960	14.0	356	1960
13	0.86	22	1965	2.0	51	1977
14	1.49	38	1956	2.2	56	1956
15	0.68	17	1968	2.0	51	1972
16	1.53	39	1960	1.0	25	1962
17	2.69	68	1973	4.0	102	1976
18	0.69	18	1961	4.0	102	1971
19	0.26	7	1969	2.6	66	1969
20	0.37	9	1964	3.7	94	1964
21	1.74	44	1977	10.0	254	1975
22	1.78	45	1969	5.1	130	1975
23	0.99	25	1956	6.8	173	1970
24	0.94	24	1970	3.0	76	1963
25	0.59	15	1965	4.1	104	1974
26	2.64	67	1969	5.1	130	1969
27	1.14	29	1964	2.6	66	1963
28	1.67	42	1967	4.5	114	1967
29	1.30	33	1976	12.0	305	1976
30	0.65	17	1971	4.0	102	1971
31	0.62	16	1972	3.4	86	1969*
Monthly	2.69	68	1973	14.0	356	1960

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

7787 18417-54321

NWSD, Federal Building

Asheville, N. C.

PART C SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

   NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

   A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

   a. Three tables are prepared for all surface winds included, and for all years combined as follows:

      (1) Annual - all hours combined

      (2) By month - all hours combined

      (3) By month - by standard 3-hour groups

   b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

14790 SOUTH WEYMOUTH, MASSACHUSETTS 54-77
STATION STATION NAME YEARS

197059

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54												S 41	
55	WNW 44	S 51	WNW 42	NNE 45	SSW 35	NE 31	NW 31	N 43		S 43	W 42	WNW 40	
56	NE 48	W 44	N 62	SSW 50	WNW 43	NW 52	WNW 31	NNE 28	NNE 35	NNE 40	SW 51	WNW 46	N 62
57	WNW 44	WNW 34	NW 41		NNE 36	WNW 39	WNW 35	SSW 27	NNW 34	NW 36	SW 44	SE 54	
58	NNW 48	NE 47	NE 46	NNW 43	SW 35	WNW 35	WNW 32	NNE 32	SSW 31	NNE 36	SE 51	WNW 34	SSE 51
59	WNW 51	WNW 60	SSW 52	SSE 44	WSW 32	NNW 32	NNW 32	SSW 24	SSW 26	SW 37	S 44	SSW 44	WNW 60
60	WSW 51	SSW 41	NNE 47	WNW 36	S 30	NNW 34	S 29	SW 24	WNW 61	WNW 38	SW 37	NNE 51	WNW 61
61	NNE 51	NNE 46	E 34	NW 40	SSW 36	W 28	SSW 22	SSW 31	SSW 42	NE 33	N 38	WNW 39	NNE 51
62	SSW 44	NE 36	ENE 44	WNW 45	NW 35	N 25	SSW 25	NNE 37	E 35	SW 31	N 40	NW 48	NW 48
63	WSW 40	NNW 41	SSW 46	W 48	SSW 34	WSW 29	NW 28	NW 36	NE 32	N 41	S 46	W 34	W 48
64	N 46	N 52	SSW 44	SW 31	W 31	NNW 32	N 30	29	SSW 35	WNW 35	N 36	NNW 44	N 52
65	NNW 38	S 38	NW 40	S 31	N 30	NW 35	SSW 30	NW 34	SSW 31	WNW 36	NNW 40	N 35	NW 40
66	SW 41	NNE 35	W 44	WNW 31	SW 34	SW 25	NW 38	WNW 30	NW 32	NW 36			
67				NE 44	NE 46	NE 32	WSW 25	SW 26	NW 28	SW 39	NW 34	NNE 38	
68	NW 40	NE 41	NW 43	S 41	NE 39	NW 28	SW 23	NNW 27	SE 27	N 36	NNE 47	NW 39	NNE 47
69	WNW 47	NE 54	NE 40	SSW 34	SW 37	SW 27	SW 25	NNW 29	NE 27	NW 30	SSW 27	S 33	NE 54
70	SSW 30	S 45	NNE 38	SSW 51	SSW 32	SW 28	SW 26	WNW 30	NW 26	SSW 31	W 36	NW 32	SSW 51
71	W 33	27 32	20 41	03 34	28 29	36 29	21 26	17 47	31 25	20 27	29 33	32 51	32 51
72	26 40	19 40	20 36	01 30	03 32	16 27	34 51	22 24	01 43	20 33	19 45	15 42	34 51
73	31 38	17 36	02 40	25 36	24 29	26 47	21 24	28 36	23 29	27 32	30 33	15 41	26 47
74	29 50	27 46	20 53	28 33	18 37	06 32	29 25	20 26	15 29	20 30	31 35	08 37	20 53
75	28 41	21 42	29 39	12 43	19 26	17 29	19 29	36 29	20 32	32 28	21 32	28 37	12 43
76	27 47	25 48	20 46	27 33	24 40	33 31	31 33	16 43	17 24	17 36	29 32	26 42	25 48
77	32 44	24 37	08 47	26 42	01 39	36 33	31 30	30 22	19 28	16 32	25 35	27 32	08 47
MEAN	43.5	43.0	43.9	39.3	34.7	32.2	29.6	31.0	32.4	34.7	39.0	40.6	50.8
S. D.	5.713	7.125	6.151	6.636	4.754	6.471	6.148	6.650	8.098	4.193	6.517	6.287	5.653
TOTAL OBS.	679	620	679	660	713	689	705	711	657	712	657	710	8192

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 54-77 YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54			0	0	0	0	0	0	0	0	SSW 39 23		WINDS DAYS
55									S 29 24				WINDS DAYS
57				W 34 14									WINDS DAYS
66											S 36 5	0	WINDS DAYS
67	0	0	NE 23 2										WINDS DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9	2.6									5.2	6.1
NNE	.6	.6	1.3									2.6	6.3
NE			.6									.6	8.0
ENE	1.3											1.3	3.0
E	1.3											1.3	3.0
ESE		.6										.6	6.0
SE	.6	.6										1.3	3.0
SSE	.6		1.3									1.9	5.3
S	1.3	2.6	1.9	1.3								7.1	7.2
SSW	1.9	5.8		.6								8.4	5.3
SW	3.2	1.9	1.9	1.9								9.0	6.7
WSW	1.9	2.6	3.2	.6								8.4	6.1
W	.6	6.5	2.6	4.5	.6							14.8	8.4
WNW	1.9	2.6	3.2	1.3								9.0	6.9
NW	.6	1.9	3.2	1.9	.6							8.4	9.5
NNW	1.3	1.3	1.9									4.5	5.7
VARBL													
CALM												15.5	
	18.1	29.0	23.9	12.3	1.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	.6									3.9	5.3
NNE	.6	1.3	1.3									3.2	5.8
NE													
ENE	.6	.6										1.3	3.5
E		.6										.6	4.0
ESE		1.3										1.3	5.5
SE	1.9		.6									2.6	3.8
SSE	1.3											1.3	2.5
S	3.2	2.6	1.3									7.1	4.4
SSW	2.6	1.9	1.9	.6		.6						7.7	7.6
SW	2.6	3.2	1.9									7.7	5.0
WSW		1.9	4.5	.6	.6	.6						8.4	9.4
W	3.2	3.9	2.6	.6								10.3	5.3
WNW		2.6	3.2	1.3								7.1	8.5
NW	3.2	5.8	3.2	1.9	1.3							15.5	7.3
NNW	.6	1.3	1.9	1.9								5.8	8.7
VARBL													
CALM												16.1	
	20.6	29.7	23.2	7.1	1.9	1.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	1.3		.6								5.2	4.1
NNE			1.9									1.9	8.7
NE	.6	.6										1.3	3.0
ENE													
E	.6			1.3								1.9	9.3
ESE	.6	1.9										2.6	3.3
SE	1.3		.6									1.9	4.0
SSE		1.3										1.3	5.0
S	3.9	2.6	.6	.6								7.7	4.4
SSW	1.9	3.9	1.3	.6	.6							8.4	6.3
SW	.6	1.3	2.6	.6	1.3							6.5	8.9
WSW	2.6	1.9	1.9	.6								7.1	5.7
W	1.9	3.2	1.3	1.9								8.4	6.8
WNW	3.2	2.6	3.9	1.9								11.6	6.8
NW	1.3	3.2	1.3	3.2								9.0	8.0
NNW	.6	1.3	1.9	3.2								7.1	9.5
VARBL													
CALM												18.1	
	22.6	25.2	17.4	14.8	1.9							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS)

10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.6	1.9	.6								6.5	6.4
NNE	.6	.6		.6								1.9	8.3
NE													
ENE				.6								.6	14.0
E	.6		.6									1.3	5.0
ESE	.6		.6	.6								1.9	7.3
SE		.6										.6	6.0
SSE	1.3	1.9	1.3									4.5	5.1
S	3.2	1.9	1.9									7.1	4.7
SSW	.6	1.3	3.9	.6	.6							7.1	8.5
SW		2.6	.6	1.3								4.5	8.0
WSW	.6	1.3	5.2	1.3	1.3							9.7	9.4
W	2.6	4.5	5.8	4.5	.6							18.1	7.9
WNW	1.9	1.3	3.9	1.9	1.3							10.3	9.4
NW		3.2	5.2	2.6								11.0	8.8
NNW	1.3	3.2	5.2	1.9		.6						12.3	8.7
VARBL													
CALM												2.6	
	14.8	25.2	36.1	16.8	3.9	.6						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.2	1.9	1.3								6.5	7.4
NNE	2.6	.6		.6								3.9	4.5
NE		1.3										1.3	5.5
ENE													
E				.6	.6							1.3	15.5
ESE	1.3	1.3										2.6	3.5
SE			.6									.6	10.0
SSE		1.3	1.3									2.6	7.8
S	2.6	1.9	2.6	.6								7.7	5.8
SSW		1.3	3.2	3.2								7.7	10.3
SW			1.9	1.9								3.9	10.2
WSW		1.9	4.5	3.2		.6						10.3	11.0
W	1.3	6.5	7.7	3.9	1.3	.6						21.3	9.4
WNW	.6	3.9	3.9	5.2	.6							14.2	9.4
NW	.6	.6	3.9	1.9	.6							7.7	9.4
NNW	.6	1.3	.6	1.9								4.5	9.3
VARBL													
CALM												3.9	
	9.7	25.2	32.3	24.5	3.2	1.3						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.5	.6		1.3								6.5	4.6
NNE	1.3	.6		.6								2.6	5.5
NE			1.3									1.3	9.0
ENE	1.3											1.3	2.5
E			.6									.6	7.0
ESE	.6	.6										1.3	4.0
SE	.6		.6									1.3	4.0
SSE	.6	1.9	1.9	.6								5.2	6.6
S	.6	3.2	1.9	.6								6.5	6.4
SSW		1.3	5.2	.6								7.1	8.4
SW		1.9	.6	1.9	.6							5.2	9.8
WSW	1.9	4.5		3.2	.6	.6						11.0	8.5
W	1.9	7.1	6.5	5.2	.6	.6						21.9	8.6
WNW	2.6	3.9	3.9	1.9	.6							12.9	7.9
NW	1.9	.6	2.6	2.6								7.7	8.1
NNW	1.3	.6	.6	1.3								3.9	7.7
VARBL													
CALM												3.9	
	19.4	27.1	25.8	20.0	2.6	1.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	1.9		.6							5.8	7.1
NNE	.6	.6	.6									1.9	4.7
NE													
ENE	1.3											1.3	1.5
E	.6	1.9										2.6	3.8
ESE	1.9	.6										2.6	3.0
SE	.6		.6									1.3	6.5
SSE	.6	1.3	1.3									3.2	6.0
S	2.6	1.9	.6	1.9								7.1	6.5
SSW	2.6	7.7	1.3	1.9								13.5	6.0
SW	3.2	1.9	1.9	1.3								8.4	6.0
WSW	2.6	1.9	1.9	.6								7.1	5.5
W	2.6	3.2	4.5	3.2		.6						14.2	8.2
WNW		1.3	3.2	1.9								6.5	8.4
NW		1.3	1.9	1.9	.6	.6						6.5	10.8
NNW			2.6									2.6	8.5
VARBL													
CALM												15.5	
	20.0	26.5	22.6	12.9	1.3	1.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.9	1.3	.6								3.9	7.7
NNE			.6	.6								1.3	11.0
NE		.6										.6	6.0
ENE		.6										.6	6.0
E	1.3	.6										1.9	3.0
ESE	.6											.6	2.0
SE	.6		.6									1.3	5.5
SSE	.6	2.6	.6	.6								4.5	6.6
S	4.5	1.9	1.3	.6								8.4	4.8
SSW	2.6	5.8	1.9									10.3	5.1
SW	.6	2.6	3.2	1.3								7.7	7.2
WSW	1.3	1.9	1.9	.6								5.8	6.0
W	5.8	4.5	4.5	1.9	1.3							18.1	6.8
WNW	.6	3.2		1.3	.6							5.8	7.4
NW	1.9	4.5	2.6	1.9	.6	.6						12.3	8.5
NNW	.6	1.3	1.9	.6								4.5	7.4
VARBL													
CALM												12.3	
	21.3	32.3	20.6	10.3	2.6	.6						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.1	1.3	.6	.1							5.4	6.1
NNE	.8	.6	.7	.3								2.4	6.3
NE	.1	.3	.2									.6	6.1
ENE	.6	.2		.1								.8	4.1
E	.6	.4	.2	.2	.1							1.5	6.1
ESE	.7	.8	.1	.1								1.7	4.2
SE	.7	.2	.5									1.4	4.8
SSE	.6	1.3	1.0	.2								3.1	6.0
S	2.7	2.3	1.5	.7								7.3	5.5
SSW	1.5	3.6	2.3	1.0	.2	.1						8.8	7.0
SW	1.3	1.9	1.9	1.3	.2							6.6	7.3
WSW	1.4	2.3	2.9	1.4	.3	.2						8.5	8.0
W	2.5	4.9	4.4	3.2	.6	.2						15.9	7.9
WNW	1.4	2.7	3.1	2.1	.4							9.7	8.2
NW	1.2	2.7	3.0	2.3	.5	.2						9.8	8.6
NNW	.8	1.3	2.1	1.4		.1						5.6	8.4
VARBL													
CALM												11.0	
	18.3	27.5	25.2	14.8	2.3	.8						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.8	2.8	.7								7.8	6.4
NNE		.7		.7								1.4	8.5
NE		.7										.7	6.0
ENE	1.4	.7	.7									2.8	4.8
E		.7		.7								1.4	8.0
ESE													
SE			.7									.7	8.0
SSE	1.4	.7										2.1	2.7
S	2.1	5.0	.7	1.4								9.2	5.2
SSW	.7	3.5	2.1	2.8								9.2	7.9
SW	2.1		.7	.7								3.5	6.0
WSW	.7	1.4	2.1	.7								5.0	7.0
W	1.4	7.1	5.0	1.4								14.9	7.0
WNW		3.5	3.5	.7								7.8	7.4
NW	2.1	2.8	3.5	2.1								10.6	7.3
NNW	.7	3.5		1.4								5.7	7.0
VARBL													
CALM												17.0	
	14.2	33.3	22.0	13.5								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.8	4.3	1.4								9.2	7.1
NNE	.7	1.4										2.1	4.3
NE	.7	2.8										3.5	4.2
ENE	1.4											1.4	2.5
E		1.4	.7									2.1	5.3
ESE			.7									.7	8.0
SE	.7		.7									1.4	5.0
SSE	.7	.7										1.4	3.5
S	4.3	2.8		.7								7.8	4.4
SSW	1.4	2.8	3.5	.7								8.5	7.2
SW	.7	1.4	.7	2.1								5.0	7.9
WSW	1.4	1.4	.7	.7								4.3	5.8
W	4.3	3.5	5.7	.7								14.2	6.1
WNW	4.3	2.8	2.8	2.1								12.1	6.4
NW	2.1	1.4	.7	2.1								6.4	6.6
NNW		1.4	2.1	.7								4.3	8.0
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	15.6	
	23.4	27.0	22.7	11.3								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	1.4	2.1	1.4								6.4	7.3
NNE	.7	.7										1.4	4.0
NE		1.4	1.4									2.8	7.0
ENE	.7	.7	.7									2.1	5.7
E	2.8											2.8	2.0
ESE	.7	.7										1.4	4.0
SE	.7											.7	3.0
SSE	1.4	.7										2.1	3.3
S	2.8	4.3	.7	2.1								9.9	6.3
SSW	1.4	.7	3.5		.7							6.4	7.6
SW		.7	.7									1.4	6.5
WSW	2.8	.7	2.1	.7	.7							7.1	6.7
W	2.1	6.4	5.0	1.4	.7							15.6	6.9
WNW	2.8	2.1	1.4	.7								7.1	5.6
NW	2.8	.7	1.4	1.4								6.4	6.3
NNW	1.4	3.5	2.1	1.4								8.5	6.8
VARBL													
CALM												17.7	
	24.8	24.8	21.3	9.2	2.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	2.1	2.8	1.4								8.5	7.0
NNE	1.4	.7	2.1									4.3	6.2
NE	.7		2.1									2.8	7.3
ENE		1.4	.7									2.1	5.3
E	.7	.7	.7									2.1	6.0
ESE			.7									.7	7.0
SE	.7	1.4	.7									2.8	4.8
SSE		1.4										1.4	5.0
S	.7	3.5	2.8	2.1								9.2	8.2
SSW	.7	2.1	1.4	1.4	2.1							7.8	10.5
SW		1.4	2.1	2.1								5.7	9.6
WSW		.7	2.1	2.8	.7							6.4	11.2
W	1.4	2.1	3.5	6.4	.7	.7						14.9	10.9
WNW	.7	3.5	3.5	2.8								10.6	8.1
NW	.7	2.1	2.1	3.5								8.5	9.3
NNW	.7	2.1	3.5	2.1								8.5	8.3
VARBL													
CALM												3.5	
	10.6	25.5	31.2	24.8	3.5	.7						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.8	.7	5.7	1.4								10.6	7.1
NNE		2.8	2.1									5.0	7.0
NE		.7	.7									1.4	8.0
ENE			1.4									1.4	7.5
E		2.1	1.4									3.5	6.4
ESE	.7											.7	3.0
SE	.7	1.4										2.1	4.0
SSE		.7	.7									1.4	7.0
S	.7	.7		5.7								7.1	12.0
SSW	1.4	.7	4.3	1.4								7.8	8.2
SW		.7	1.4	2.1	.7	.7						5.7	12.6
WSW		1.4	.7	2.1	.7							5.0	10.7
W	3.5	2.1	6.4	7.8	2.8	.7						23.4	10.9
WNW	.7	2.8	3.5	3.5	.7							11.3	9.4
NW	.7	.7	2.8	1.4	.7							6.4	9.9
NNW		.7	2.1	2.8								5.7	10.6
VARBL													
CALM												1.4	
	11.3	18.4	33.3	28.4	5.7	1.4						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.8	4.3	3.5	.7								11.3	5.8
NNE	1.4	1.4	2.8		.7							6.4	7.2
NE			1.4									1.4	7.5
ENE		1.4	.7									2.1	5.3
E		1.4										1.4	5.0
ESE			.7									.7	7.0
SE		.7					.7					1.4	17.0
SSE	.7	.7	.7									2.1	5.0
S	1.4	2.1	.7	5.0	.7							9.9	9.9
SSW	.7	2.1	3.5	.7	.7							7.8	8.1
SW	.7	1.4	2.8	.7								5.7	7.8
WSW	.7	1.4	2.1	1.4			.7					6.4	10.2
W	1.4	6.4	9.2	5.0	1.4							23.4	8.9
WNW		1.4	3.5	2.8								7.8	9.5
NW		.7	2.8	2.8	1.4							7.8	11.4
NNW				1.4								1.4	12.0
VARBL													
CALM												2.8	
	9.9	25.5	34.8	20.6	5.0		1.4					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	2.8	.7	1.4								7.1	6.6
NNE	1.4	2.8	1.4									5.7	4.9
NE		2.1										2.1	5.7
ENE		.7										.7	4.0
E	.7											.7	2.0
ESE	.7	.7	.7									2.1	5.0
SE													
SSE	.7	.7										1.4	4.0
S	2.1	4.3	5.0	1.4								12.8	6.6
SSW		4.3	2.8	2.1								9.2	7.5
SW	2.1	1.4	.7									4.3	4.7
WSW	2.1	1.4	.7	.7	.7							5.7	7.3
W	4.3	3.5	6.4	2.8								17.0	7.4
WNW	.7	2.1	1.4	1.4								5.7	7.4
NW	.7	1.4	5.7	1.4	.7							9.9	9.1
NNW		.7	1.4	1.4								3.5	8.6
VARBL													
CALM												12.1	
	17.7	29.1	27.0	12.8	1.4							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	2.1	1.4	1.4								7.1	6.0
NNE	.7	2.8	1.4									5.0	5.6
NE	1.4		.7									2.1	4.0
ENE	.7	.7										1.4	4.5
E	.7			.7								1.4	7.0
ESE													
SE													
SSE	2.1		.7	.7								3.5	5.0
S	2.8	5.0	1.4	.7	.7							10.6	6.5
SSW	2.1	2.8	3.5	2.1								10.6	7.5
SW	.7	2.1	.7	.7								4.3	6.0
WSW	2.1	2.1	.7									5.0	4.1
W	2.8	2.8	7.1	2.8	.7							16.3	7.8
WNW	1.4	1.4	.7	1.4								5.0	6.9
NW	2.1	1.4	3.5	2.8								9.9	7.9
NNW			1.4	2.1								3.5	11.8
VARBL													
CALM												14.2	
	22.0	23.4	23.4	15.6	1.4							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	2.4	2.9	1.2								8.5	6.6
NNE	.8	1.7	1.2	.1	.1							3.9	6.1
NE	.4	1.0	.8									2.1	6.0
ENE	.3	.7	.5									1.8	5.1
E	.6	.8	.4	.2								2.0	5.3
ESE	.3	.2	.4									.8	5.3
SE	.4	.4	.3				.1					1.2	6.6
SSE	.9	.7	.3	.1								2.0	4.4
S	2.1	3.5	1.4	2.4	.2							9.6	7.3
SSW	1.1	2.4	3.1	1.4	.4							8.4	8.0
SW	.8	1.2	1.2	1.1	.1	.1						4.4	8.0
WSW	1.2	1.3	1.4	1.2	.4		.1					5.6	8.0
W	2.7	4.3	6.0	3.5	.8	.2						17.5	8.4
WNW	1.3	2.5	2.6	2.0	.1							8.4	7.7
NW	1.4	1.4	2.8	2.2	.4							8.2	8.5
NNW	.4	1.5	1.6	1.7								5.1	8.6
VARBL													
CALM												10.5	
	16.8	25.9	27.0	17.0	2.4	.3	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1128

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9		2.6	1.3								5.8	6.8
NNE	.6	1.3	.6	.6								3.2	7.4
NE		1.9	.6	1.9								4.5	9.1
ENE													
E		.6										.6	6.0
ESE		.6	.6									1.3	7.5
SE			.6	.6								1.3	13.0
SSE	1.9	1.3	1.9	.6								5.8	5.8
S	1.3	4.5	1.9									7.7	5.4
SSW	.6	3.9	3.2	.6								8.4	7.0
SW	.6	1.3	.6									2.6	4.8
WSW	1.3	.6	1.9	.6								4.5	6.9
W	3.2	3.2	3.9	2.6	.6							13.5	7.6
WNW	.6	2.6	2.6	3.2								9.0	9.0
NW	1.3	2.6	1.9	3.2	1.3							10.3	9.5
NNW	.6	.6	1.9		.6							3.9	8.2
VARBL													
CALM												17.4	
	14.2	25.2	25.2	15.5	2.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

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DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	1.9		.6							3.9	9.2
NNE	1.3	.6	.6	1.3	.6							4.5	9.1
NE	1.3	1.9	3.2									6.5	6.5
ENE													
E	.6	.6										1.3	2.5
ESE		.6										.6	6.0
SE		.6		.6								1.3	9.0
SSE	3.2	.6	.6									4.5	3.3
S	4.5	1.9	3.2									9.7	4.7
SSW	.6	3.2	1.3	1.9								7.1	7.7
SW	1.3	.6		.6								2.6	6.0
WSW	1.3	2.6		.6								4.5	4.7
W	2.6	.6	5.2	2.6	1.3							12.3	8.4
WNW	.6	3.2	1.3	2.6								7.7	8.0
NW	.6	1.3	1.3	3.9	.6							7.7	10.4
NNW		1.9		1.3								3.2	8.6
VARBL													
CALM												22.6	
	18.1	21.9	18.7	15.5	3.2							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
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ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.3	3.2	.6	.6							6.5	8.1
NNE			3.2		.6							3.9	9.8
NE		3.2	1.3	.6								5.2	6.9
ENE													
E	.6	1.3	1.3	.6								3.9	6.5
ESE													
SE	.6	.6										1.3	3.5
SSE	1.9	1.3										3.2	3.0
S	1.9	5.8	1.9	1.3								11.0	6.2
SSW	1.3	1.3	2.6	1.3								6.5	7.3
SW	.6	1.3	.6	.6								3.2	7.2
WSW	1.9	.6	1.3	1.9								5.8	7.1
W	.6	5.2	3.9	2.6								12.3	7.6
WNW		2.6	1.9	3.9								8.4	9.8
NW	1.3	1.3	2.6	1.9								7.1	8.1
NNW	.6		1.3	1.9	.6							4.5	11.7
VARBL													
CALM												17.4	
	12.3	25.8	25.2	17.4	1.9							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	2.6	.6	.6							5.2	9.5
NNE		1.3	3.2		1.3							5.8	10.1
NE			1.3	1.3								2.6	9.5
ENE		1.9	1.3									3.2	6.0
E	1.3	.6	2.6	1.3								5.8	7.6
ESE		.6										.6	6.0
SE	1.3		.6									1.9	4.7
SSE	1.9		.6	.6								3.2	4.8
S	2.6	1.3	3.9	4.5								12.3	9.1
SSW	.6	2.6	3.2	.6								7.1	7.2
SW	1.9		1.3	2.6								5.8	8.2
WSW	.6		1.3	2.6								4.5	10.1
W	1.3	2.6	2.6	6.5	1.3							14.2	10.3
WNW		1.9	3.2	4.5		.6						10.3	11.1
NW	1.3	.6	1.9	1.3	1.9	.6						7.7	11.8
NNW		1.3	2.6	1.9	1.3							7.1	11.2
VARBL													
CALM												2.6	
	12.9	16.1	32.3	28.4	6.5	1.3						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.3	2.6		.6							6.5	7.5
NNE		1.3	.6	.6	1.3							3.9	11.7
NE		.6	2.6									3.2	6.6
ENE		2.6	1.9	1.3								5.8	8.0
E		2.6	.6	.6	.6							4.5	8.9
ESE	.6		.6									1.3	5.0
SE		.6	1.3									1.9	7.3
SSE		.6	.6									1.3	7.0
S	1.3	1.3	5.2	2.6	.6							11.0	9.2
SSW	1.3	1.9	5.2	3.2	.6							12.3	9.2
SW		1.9	.6									2.6	5.5
WSW	.6		2.6	1.9	2.6							7.7	12.4
W	.6	.6	2.6	7.7	1.9	.6						14.2	13.0
WNW	.6	1.3	2.6	4.5	.6	.6						10.3	11.7
NW		1.3	.6	1.9	3.2							7.1	13.5
NNW		1.3	.6	1.9	.6							4.5	10.9
VARBL													
CALM												1.9	
	7.1	19.4	31.0	26.5	12.9	1.3						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6		.6	1.9	.6							3.9	11.7
NNE	.6	2.6	.6	1.9								5.8	7.6
NE	.6	2.6	.6									3.9	5.0
ENE	.6	3.2	3.9	.6								8.4	7.1
E	.6	1.3	1.9	.6								4.5	7.3
ESE	.6	2.6	.6									3.9	5.0
SE				.6								.6	12.0
SSE	.6		3.2	.6								4.5	8.3
S	1.9	1.3	3.2	6.5								12.9	9.6
SSW		1.3	1.9	.6	.6		1.3					5.8	14.2
SW			1.9									1.9	8.3
WSW		.6	2.6	3.2	.6							7.1	11.2
W	1.3	.6	2.6	9.0	1.3							14.8	11.9
WNW		1.3	1.3	5.8	1.9		.6					11.0	13.9
NW		.6	1.3	1.9	.6	.6						5.2	13.6
NNW	.6		.6	3.2								4.5	11.6
VARBL													
CALM												1.3	
	8.4	18.1	27.1	36.8	5.8	.6	1.9					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.3	3.2	.6								5.8	7.3
NNE			.6		.6							1.3	13.5
NE	.6	3.2	1.3		.6							5.8	7.1
ENE	.6	.6		.6								1.9	7.0
E	3.2	1.3	1.3									5.8	4.3
ESE	.6	1.9										2.6	4.0
SE	2.6		.6									3.2	4.0
SSE	1.9	.6	1.9	.6								5.2	6.3
S	1.3	5.2	3.2	2.6								12.3	7.6
SSW	.6	1.3	2.6	1.9								6.5	7.8
SW	1.3											1.3	2.0
WSW		1.3	1.3	.6								3.2	7.6
W	.6	1.9	9.0	5.2								16.8	9.2
WNW			1.9	2.6								4.5	11.9
NW		2.6	1.3	2.6	1.9	.6						9.0	12.8
NNW			1.3	.6								1.9	11.7
VARBL													
CALM												12.9	
	14.2	21.3	29.7	18.1	3.2	.6						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	1.3	.6								3.2	8.2
NNE	.6	.6	1.3	.6								3.2	7.8
NE	1.9	.6	1.3	.6								4.5	6.3
ENE		.6	.6	.6	.6							2.6	12.3
E	3.2	.6										3.9	2.2
ESE				.6								.6	12.0
SE			1.3	.6								1.9	9.0
SSE	1.9	.6	.6		.6							3.9	6.2
S	3.9	3.2	4.5									11.6	5.1
SSW	2.6	1.9	1.9	.6								7.1	6.1
SW	.6	1.3	1.3									3.2	5.8
WSW	1.9	1.3	.6	.6								4.5	5.3
W	3.2	4.5	6.5	3.9								18.1	7.8
WNW		1.3		1.9	.6							3.9	12.0
NW	.6		3.2	3.2	1.3	.6						9.0	12.3
NNW	.6	1.9	.6	.6	.6							4.5	8.4
VARBL													
CALM												14.2	
	21.3	20.0	25.2	14.8	3.9	.6						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.0	2.3	.7	.4							5.1	8.3
NNE	.4	1.0	1.4	.6	.6							4.0	9.3
NE	.6	1.8	1.5	.6	.1							4.5	7.0
ENE	.2	1.1	1.0	.4	.1							2.7	7.8
E	1.2	1.1	1.0	.4	.1							3.8	6.0
ESE	.2	.8	.2	.1								1.4	5.6
SE	.6	.2	.6	.3								1.7	7.0
SSE	1.7	.6	1.2	.3	.1							4.0	5.6
S	2.3	3.1	3.4	2.2	.1							11.0	7.3
SSW	1.0	2.2	2.7	1.4	.2		.2					7.6	8.3
SW	.8	.8	.8	.5								2.9	6.5
WSW	1.0	.9	1.5	1.5	.4							5.2	8.7
W	1.7	2.4	4.5	5.0	.8	.1						14.5	9.5
WNW	.2	1.8	1.9	3.6	.4	.2	.1					8.1	11.0
NW	.6	1.3	1.8	2.5	1.4	.3						7.9	11.4
NNW	.3	.9	1.1	1.5	.5							4.3	10.3
VARBL													
CALM												11.3	
	13.5	21.0	26.8	21.6	5.0	.6	.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.3	2.7	2.7									8.7	5.0
NNE	.7	2.0	1.3									4.0	5.8
NE		1.3	.7	.7								2.7	8.3
ENE				.7								.7	13.0
E	.7		1.3	.7								2.7	7.3
ESE													
SE		1.3										1.3	4.0
SSE	.7	1.3	.7	.7								3.3	7.0
S	1.3	2.7	.7	.7								5.3	5.3
SSW	2.7	2.7	3.3	1.3								10.0	6.6
SW	.7	4.0	1.3	.7								6.7	6.1
WSW	2.7	2.7	1.3	.7								7.3	5.3
W	2.0	4.0	4.0	1.3								11.3	6.4
WNW		4.0	2.7	1.3	.7							8.7	8.1
NW		1.3	2.7	.7	.7							5.3	9.1
NNW		2.0	2.0									4.0	6.0
VARBL													
CALM												18.0	
	14.7	32.0	24.7	9.3	1.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	3.3	2.7									7.3	5.1
NNE	.7		4.0									4.7	8.3
NE		1.3	.7									2.0	6.7
ENE		1.3		1.3								2.7	9.0
E	2.0	.7	.7	.7								4.0	4.8
ESE			.7									.7	8.0
SE			.7									.7	7.0
SSE	1.3	.7										2.0	2.7
S	.7	2.0	2.0	.7								5.3	6.6
SSW	.7	2.7	2.0	1.3								6.7	7.4
SW	1.3	2.0	2.7	.7								6.7	6.7
WSW	2.0	4.0	2.7									8.7	5.6
W	1.3	6.0	3.3									10.7	5.7
WNW	.7	3.3	4.0	.7								8.7	6.9
NW	1.3	.7	3.3	1.3								6.7	7.8
NNW	.7	1.3	2.0									4.0	7.2
VARBL													
CALM												18.7	
	14.0	29.3	31.3	6.7								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (WBAN) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	4.0	.7								6.0	8.1
NNE	.7		4.0									4.7	7.3
NE	.7	2.0	.7									3.3	5.8
ENE	1.3	1.3		.7	.7							4.0	8.0
E	2.0	.7	.7	1.3								4.7	6.0
ESE		.7										.7	4.0
SE													
SSE	2.0	1.3	.7									4.0	4.5
S	3.3	.7	1.3									5.3	4.5
SSW		1.3	4.0									5.3	7.5
SW	1.3	3.3	6.0	1.3								12.0	7.7
WSW		2.0	1.3									3.3	6.6
W	1.3	2.7	9.3	3.3								16.7	8.1
WNW			3.3	2.7	.7							6.7	11.5
NW	1.3	4.0	5.3	.7								11.3	7.2
NNW		2.0	3.3									5.3	6.8
VARBL													
CALM												6.7	
	14.0	23.3	44.0	10.7	1.3							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	4.7	.7								7.3	7.6
NNE	2.0	2.7	4.0	2.0								10.7	7.3
NE		.7	2.7	.7								4.0	8.8
ENE		.7	1.3	.7								2.7	9.0
E			1.3	.7								2.0	8.3
ESE		2.0	.7									2.7	6.3
SE	1.3		1.3									2.7	4.8
SSE													
S		2.7	.7	2.0								5.3	9.0
SSW	.7	2.0	4.0									6.7	7.5
SW		2.0	2.0	2.7	.7							7.3	9.9
WSW	.7		4.7		.7							6.0	9.4
W		.7	5.3	8.7	1.3							16.0	12.2
WNW		2.0	2.0	7.3								11.3	10.8
NW	.7	1.3	2.7	3.3								8.0	9.3
NNW		2.0	2.7	1.3								6.0	8.0
VARBL													
CALM												1.3	
	6.0	20.0	40.0	30.0	2.7							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.0	2.0	.7								4.7	8.1
NNE		1.3	3.3	1.3								6.0	8.8
NE		2.0	2.0	2.7								6.7	9.5
ENE		1.3	1.3									2.7	7.0
E		2.0	2.0									4.0	6.5
ESE		1.3	.7		.7							2.7	9.3
SE		.7	1.3									2.0	7.0
SSE			1.3									1.3	8.0
S	.7	1.3	4.0	2.0								8.0	8.2
SSW	.7	.7	1.3	4.0								6.7	10.4
SW		2.0	1.3	1.3								4.7	8.0
WSW		1.3	3.3	.7								5.3	8.9
W	.7	2.0	5.3	11.3	1.3	.7						21.3	12.0
WNW	.7	.7	2.0	8.0	1.3							12.7	12.2
NW	.7	.7	1.3	2.0								4.7	9.7
NNW			2.7	2.0								4.7	10.6
VARBL													
CALM												2.0	
	3.3	19.3	35.3	36.0	3.3	.7						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 150

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.7	.7	2.0								3.3	9.8
NNE	.7		3.3	.7								4.7	8.4
NE		2.0	1.3									3.3	7.0
ENE	.7	2.7	2.7									6.0	6.1
E	2.0	4.7	4.0	.7								11.3	5.8
ESE		1.3	2.0									3.3	6.8
SE			2.0									2.0	8.7
SSE	.7	2.0		.7								3.3	6.8
S	.7		4.0	7.3								12.0	11.1
SSW		.7	1.3	4.0	.7							6.7	11.7
SW		.7	1.3	1.3								3.3	9.8
WSW			1.3	1.3	.7							3.3	11.6
W			4.0	6.7	3.3							14.0	14.0
WNW		2.0	4.7	5.3								12.0	10.3
NW		.7	3.3	4.0								8.0	11.0
NNW			1.3	.7								2.0	9.3
VARBL													
CALM												1.3	
	4.7	17.3	37.3	34.7	4.7							100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.7	.7	.7								2.0	8.0
NNE		1.3	1.3	.7								3.3	8.0
NE	2.0	1.3		.7								4.0	5.0
ENE	.7	.7		1.3								2.7	8.0
E	1.3	2.0	.7									4.0	4.7
ESE	3.3	.7	.7									4.7	3.6
SE	.7											.7	2.0
SSE	.7	2.0	.7									3.3	4.8
S	2.7	5.3	10.7	.7								19.3	6.5
SSW		1.3	4.7	5.3								11.3	9.8
SW	.7	.7	.7	1.3								3.3	8.2
WSW	.7		.7	.7								2.0	7.3
W		2.0	4.7	4.0								10.7	9.6
WNW		3.3	4.7	2.7								10.7	8.3
NW		.7	2.0	2.7								5.3	10.4
NNW			1.3	2.0	.7							4.0	11.7
VARBL													
CALM												8.7	
	12.7	22.0	33.3	22.7	.7							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	3.3									6.0	6.6
NNE		.7		.7								1.3	10.5
NE			1.3									1.3	9.0
ENE	.7		2.0	.7								3.3	8.6
E	1.3		1.3									2.7	5.5
ESE													
SE													
SSE	1.3	1.3										2.7	3.0
S	2.7	7.3	4.0	.7								14.7	6.0
SSW	3.3	2.7	4.7	3.3								14.0	7.2
SW	.7	2.0	2.0									4.7	5.9
WSW	.7	1.3		.7								2.7	7.5
W	.7	6.0	4.7		.7							12.0	7.1
WNW	.7	2.7	4.0									7.3	6.5
NW	1.3	1.3	2.0	1.3	.7							6.7	8.3
NNW	1.3	1.3	1.3	1.3								5.3	7.6
VARBL													
CALM												15.3	
	16.0	28.0	30.7	8.7	1.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.7	2.6	.6								5.7	6.9
NNE	.6	1.0	2.7	.7								4.9	7.8
NE	.3	1.3	1.2	.6								3.4	7.6
ENE	.4	1.0	.9	.7	.1							3.1	7.9
E	1.2	1.2	1.5	.5								4.4	5.9
ESE	.4	.7	.6		.1							1.8	6.0
SE	.2	.2	.7									1.2	5.9
SSE	.8	1.1	.4	.2								2.5	5.2
S	1.5	2.7	3.4	1.7								9.4	7.3
SSW	1.0	1.7	3.2	2.4	.1							8.4	8.4
SW	.6	2.1	2.2	1.2	.1							6.1	7.7
WSW	.8	1.4	1.9	.5	.2							4.8	7.4
W	.7	2.9	5.1	4.4	.8	.1						14.1	9.8
WNW	.2	2.2	3.4	3.5	.3							9.7	9.5
NW	.7	1.3	2.8	2.0	.2							7.0	8.9
NNW	.2	1.1	2.1	.9	.1							4.4	8.3
VARBL													
CALM												9.0	
	10.7	23.9	34.6	19.8	1.9	.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	3.9	1.3		.6							8.4	5.8
NNE	1.3	1.3	.6	.6								3.9	5.3
NE		1.3										1.3	5.0
ENE	1.9		.6									2.6	4.0
E	1.3	1.3										2.6	4.0
ESE													
SE			.6									.6	10.0
SSE	1.9	1.3	1.3									4.5	4.6
S	8.4	9.0	3.2	.6								21.3	4.6
SSW	3.2	5.2	3.2									11.6	5.3
SW	.6	2.6										3.2	4.6
WSW	1.3	1.3	.6									3.2	4.8
W	3.2	1.9	1.9	.6								7.7	5.0
WNW	1.3	.6										1.9	3.3
NW	.6	2.6	.6	.6								4.5	6.0
NNW			1.3									1.3	9.0
VARBL													
CALM												21.3	
	27.7	32.3	15.5	2.6	.6							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	3.2			.6							4.5	6.3
NNE	.6	5.2	.6									6.5	4.8
NE	1.3	.6										1.9	2.7
ENE		.0										.6	4.0
E		1.3	.6									1.9	6.7
ESE													
SE			.6									.6	10.0
SSE	1.9	1.9	.6									4.5	4.6
S	9.0	5.2	5.2	.6								20.0	4.5
SSW	3.2	1.9	1.3									6.5	4.3
SW		1.9	.6									2.6	6.5
WSW	.6	1.3	1.3									3.2	5.8
W	1.9	4.5	2.6									9.0	5.1
WNW	1.9	1.3	1.3									4.5	4.6
NW	.6	4.5										5.2	4.6
NNW	1.3	1.3	.6	.6								3.9	5.8
VARBL													
CALM												24.5	
	23.2	34.8	15.5	1.3	.6							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	3.9	.6	.6	.6							6.5	7.4
NNE	1.9	3.2										5.2	4.8
NE	.6	1.9	1.3									3.9	5.5
ENE		1.3		.6								1.9	8.0
E	.6	1.3										1.9	4.3
ESE	.6	.6										1.3	3.0
SE		1.9										1.9	4.7
SSE	1.3	5.2	1.3	.6								8.4	5.2
S	3.9	7.1	2.6	1.3								14.8	5.5
SSW	1.3	3.9	3.9	.6								9.7	6.6
SW	1.3	1.9	1.3									4.5	5.4
WSW	.6	2.6	.6									3.9	5.2
W	1.9	5.2	2.6	1.9								11.6	6.6
WNW	.6	2.6	1.3	1.3								5.8	7.2
NW		.6	3.2	1.9								5.8	9.3
NNW		3.2	3.2	.6								7.1	7.3
VARBL													
CALM												5.8	
	15.5	46.5	21.9	9.7	.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.9	1.3	.6								5.8	5.6
NNE	1.3	1.9	3.2									6.5	5.9
NE	.6	.6	.6	.6								2.6	7.3
ENE	.6	1.3	1.3									3.2	5.4
E	.6	3.2										3.9	4.0
ESE		.6										.6	4.0
SE		1.9	.6									2.6	5.5
SSE	.6	1.3	1.9									3.9	6.3
S	3.2	4.5	7.7	1.9								17.4	6.9
SSW		2.6	1.3	2.6								6.5	8.8
SW	1.3	2.6	2.6	2.6								9.0	8.0
WSW	1.3	1.9	2.6									5.8	6.8
W	.6	3.2	5.2	2.6	.6							12.3	8.8
WNW	.6	1.9	3.2	.6								6.5	7.7
NW	1.3	1.9	.6	1.9								5.8	7.6
NNW	.6	1.3	1.3	1.3								4.5	8.0
VARBL													
CALM												3.2	
	14.8	32.9	33.5	14.8	.6							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9	1.9									4.5	6.3
NNE	.6	1.3	1.3	1.3								4.5	8.6
NE	1.3	2.6	1.3									5.2	5.8
ENE		2.6	1.3									3.9	6.3
E	1.9	3.2	2.6									7.7	5.3
ESE	1.3	1.3	.6									3.2	4.2
SE		.6										.6	5.0
SSE		1.9	2.6									4.5	7.4
S	.6	5.2	5.2	4.5	1.3							16.8	9.3
SSW			3.2	5.2								8.4	11.5
SW		1.3	1.9		.6							3.9	8.3
WSW	1.3	3.2	7.1	3.2								14.8	8.3
W		1.9	1.3	2.6	1.3							7.1	11.1
WNW	.6	1.3	3.9									5.8	8.1
NW	.6		1.3	1.9								3.9	10.2
NNW		.6	1.9	1.3								3.9	8.8
VARBL													
CALM												1.3	
	9.0	29.0	37.4	20.0	3.2							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS)

16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	.6	.6								3.9	6.5
NNE	.6	1.9	2.6									5.2	6.6
NE		2.6	1.3									3.9	6.2
ENE	1.3	2.6	1.9									5.8	5.8
E	1.3	5.2	3.2									9.7	5.7
ESE		2.6	.6									3.2	5.2
SE	.6	1.9		.6								3.2	5.6
SSE	.6	1.9	1.3									3.9	5.3
S		2.6	7.1	7.7	1.3							18.7	10.8
SSW	.6		6.5	3.2	.6							11.0	10.4
SW		.6	.6	1.3								2.6	11.5
WSW	.6		2.6	.6								3.9	7.7
W	.6	1.9	6.5	4.5	.6							14.2	9.6
WNW	.6	1.3	.6	2.6	.6							5.8	10.0
NW			2.6	.6								3.2	10.2
NNW		.6	.6									1.3	6.5
VARBL													
CALM												.6	
	8.4	27.1	38.7	21.9	3.2							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.6	.6	.6								3.9	7.0
NNE	1.3		1.3									2.6	5.5
NE	1.3	1.9	.6									3.9	4.3
ENE	2.6	1.3	1.3									5.2	4.1
E	1.3	1.9	.6									3.9	4.5
ESE	1.3	2.6	.6									4.5	4.4
SE			.6									.6	8.0
SSE		4.5	2.6									7.1	6.4
S	2.6	11.6	10.3	4.5								29.0	7.2
SSW	.6	6.5	3.9	1.9								12.9	7.3
SW	.6	.6	1.3									2.6	5.5
WSW	1.9	.6		.6								3.2	5.4
W	.6	1.3	3.9	.6								6.5	7.9
WNW	.6			1.9								2.6	10.3
NW		1.9	.6									2.6	5.5
NNW		.6	1.3									1.9	6.3
VARBL													
CALM												7.1	
	14.8	38.1	29.7	10.3								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 155

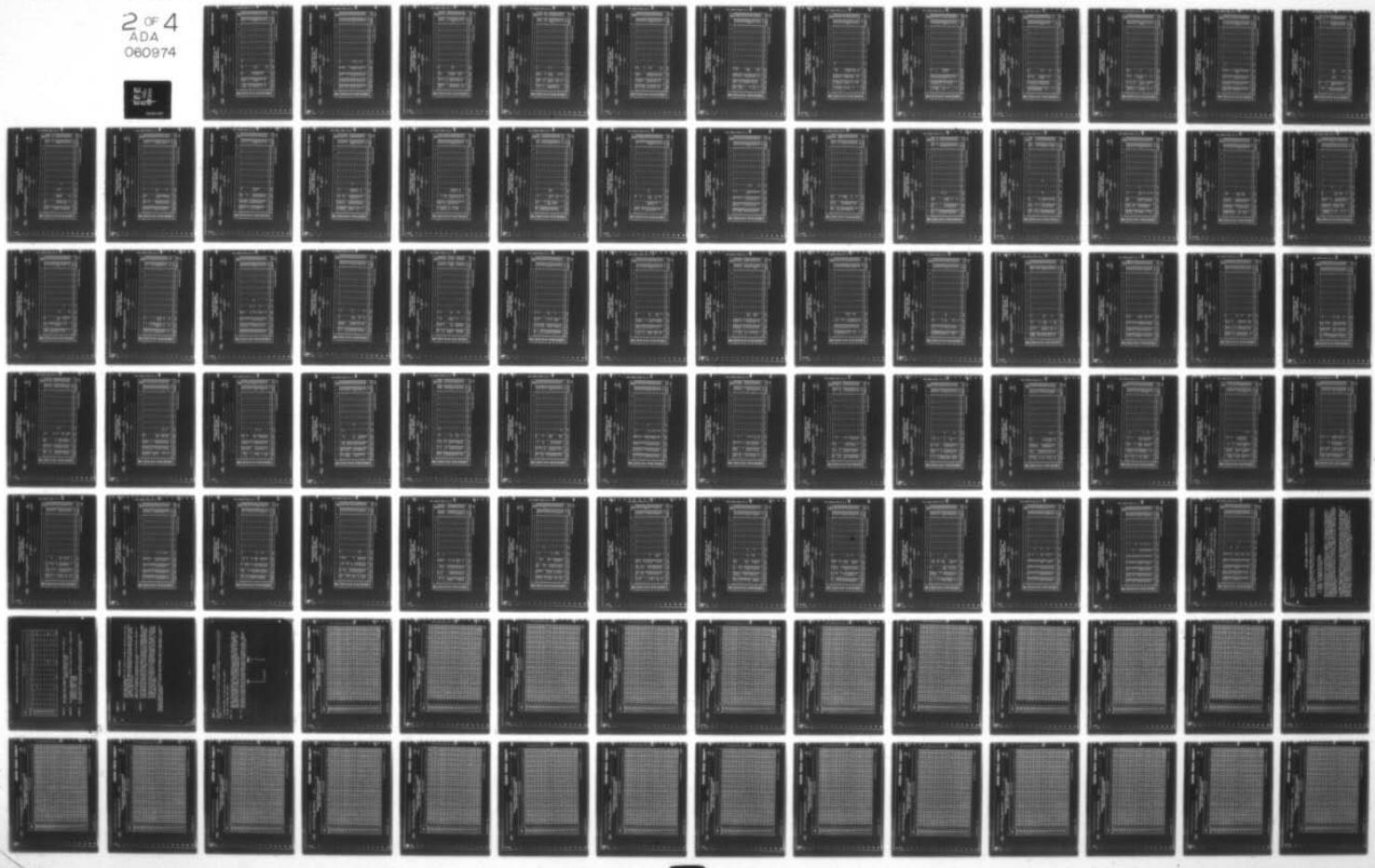
5702 SURFACE WINDS JAN 78

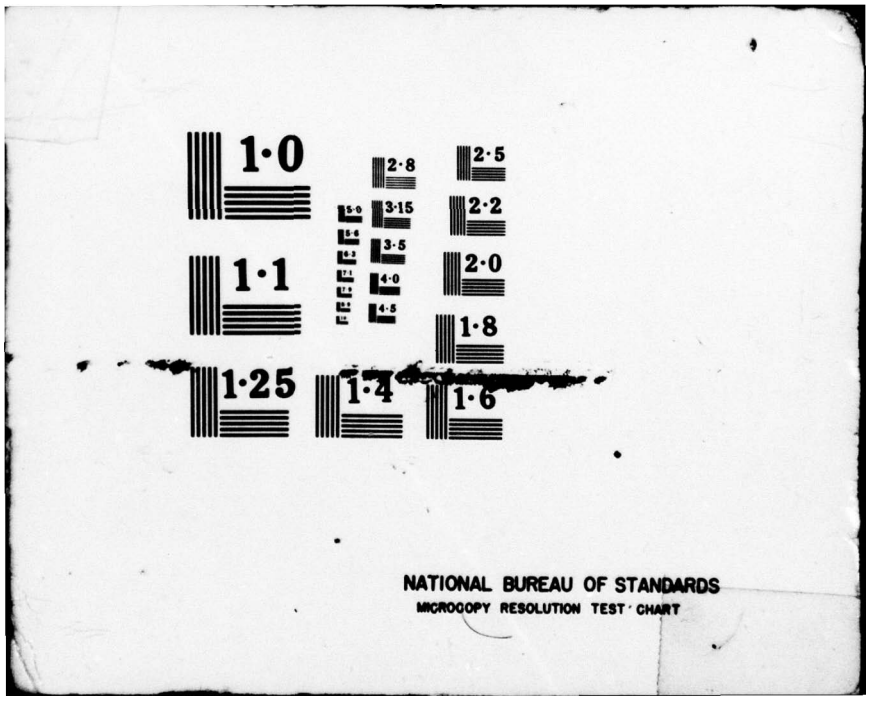
DIRNAVOCEANMET SMOS

AD-A060 974 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) SOUTH WE--ETC(U)
JUL 78

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2 OF 4
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NATIONAL BUREAU OF STANDARDS
MICROCOPY RESOLUTION TEST CHART

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.2	3.9	.6	.6							8.4	7.9
NNE	1.3	3.2										4.5	3.7
NE	1.9	1.3										3.2	3.4
ENE		.6										.6	5.0
E	.6	.6										1.3	2.5
ESE	1.3	.6										1.9	3.7
SE	.6	.6	.6									1.9	5.3
SSE	2.6	1.9	.6									5.2	4.0
S	5.8	12.9	8.4	1.9								29.0	5.8
SSW	2.6	6.5	2.6	.6								12.3	5.6
SW	1.3	1.9	1.9									5.2	5.3
WSW	.6	.6	.6									1.9	4.3
W	1.9	1.9	1.3									5.2	4.4
WNW		.6	.6									1.3	7.0
NW	1.3	1.3										2.6	3.8
NNW				1.3								1.3	12.0
VARBL													
CALM												14.2	
	21.9	38.1	20.6	4.5	.6							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.7	1.3	.4	.3							5.7	6.6
NNE	1.1	2.3	1.2	.2								4.8	5.6
NE	.9	1.6	.6	.1								3.2	5.2
ENE	.8	1.3	.8	.1								3.0	5.4
E	1.0	2.3	.9									4.1	5.0
ESE	.6	1.0	.2									1.9	4.3
SE	.2	.9	.4	.1								1.5	5.9
SSE	1.1	2.5	1.5	.1								5.2	5.5
S	4.2	7.3	6.2	2.9	.3							20.9	6.7
SSW	1.5	3.3	3.2	1.8	.1							9.8	7.4
SW	.6	1.7	1.3	.5	.1							4.2	6.9
WSW	1.0	1.5	1.9	.6								5.0	6.8
W	1.4	2.7	3.1	1.6	.3							9.2	7.6
WNW	.8	1.2	1.4	.8	.1							4.3	7.6
NW	.6	1.6	1.1	.9								4.2	7.3
NNW	.2	1.0	1.3	.6								3.1	7.6
VARBL													
CALM												9.8	
	16.9	34.8	26.6	10.6	1.2							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	1.3	1.3	1.3								6.0	6.9
NNE	1.3	.7	1.3									3.3	5.4
NE	.7	.7										1.3	4.0
ENE	.7	.7										1.3	2.5
E													
ESE		1.3										1.3	4.5
SE			.7									.7	8.0
SSE	3.3	2.0	2.0									7.3	4.5
S	4.0	8.0	9.3	1.3								22.7	6.3
SSW	5.3	3.3	4.0	.7								13.3	5.2
SW	1.3	.7	.7									2.7	4.8
WSW	2.0	2.7										4.7	3.3
W	1.3	2.0	2.0									5.3	5.3
WNW		.7	1.3									2.0	7.7
NW	2.7	2.0	.7									5.3	4.5
NNW	.7											.7	3.0
VARBL													
CALM												22.0	
	25.3	26.0	23.3	3.3								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	1.3	.7								4.0	6.7
NNE	.7	2.0	1.3									4.0	5.5
NE	.7	.7	.7									2.0	5.0
ENE													
E	.7	.7										1.3	4.5
ESE		.7	.7									1.3	6.5
SE													
SSE	4.7	2.7	.7									8.0	3.8
S	6.7	4.7	8.0	.7								20.0	5.8
SSW	3.3	6.0	2.0									11.3	4.6
SW	1.3											1.3	2.0
WSW	3.3	.7										4.0	2.7
W	.7	2.7										3.3	4.8
WNW	4.7	1.3	.7									6.7	3.4
NW			.7									.7	8.0
NNW		1.3	1.3									2.7	7.0
VARBL													
CALM												29.3	
	27.3	24.7	17.3	1.3								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	.7	1.3	.7								4.7	5.9
NNE	.7	2.0	2.0	.7								5.3	6.3
NE	.7	1.3	.7									2.7	4.8
ENE	.7	1.3										2.0	4.7
E	3.3	.7										4.0	2.8
ESE	1.3			.7								2.0	6.3
SE		.7										.7	4.0
SSE	1.3	1.3	4.0									6.7	6.5
S	2.7	6.0	8.0	.7								17.3	6.2
SSW	3.3	4.0	4.0	.7								12.0	6.1
SW	1.3	4.0	2.7									8.0	5.5
WSW	1.3	2.7	1.3									5.3	4.8
W	.7	3.3	2.7									6.7	5.6
WNW	.7	.7	2.7									4.0	6.7
NW	2.0	2.7	2.7									7.3	5.3
NNW		.7	2.0	1.3								4.0	9.7
VARBL													
CALM												7.3	
	22.0	32.0	34.0	4.7								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.0	2.0	1.3	.7								8.0	4.9
NNE	1.3	4.0	2.0	.7								8.0	6.3
NE		.7	1.3	1.3								3.3	10.4
ENE	.7	.7	1.3									2.7	6.3
E	1.3	2.7	1.3									5.3	4.8
ESE	.7	.7	.7									2.0	5.0
SE		1.3										1.3	4.5
SSE		2.0	2.0									4.0	6.7
S		6.0	6.7	3.3								16.0	7.9
SSW		3.3	6.0	3.3								12.7	8.9
SW	.7	.7	3.3									4.7	6.7
WSW		2.0	4.0									6.0	7.3
W	1.3	2.0	4.0									7.3	6.5
WNW	.7	1.3	2.7									4.7	6.6
NW		2.0	.7	1.3								4.0	8.7
NNW	.7		2.0	1.3								4.0	9.5
VARBL													
CALM												6.0	
	11.3	31.3	39.3	12.0								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.7	2.0									4.7	6.7
NNE	.7	.7	2.7	.7	.7							5.3	8.9
NE	.7	1.3	2.0	2.0								6.0	8.9
ENE	.7	2.7	2.7									6.0	6.8
E	2.7	2.7	1.3									6.7	4.7
ESE	.7	.7	.7									2.0	5.7
SE		.7	.7									1.3	6.0
SSE	.7	2.7	4.0	.7								8.0	7.4
S	.7	6.7	8.0	3.3								18.7	8.0
SSW	1.3	2.7	4.7	3.3								12.0	8.6
SW		.7	3.3	1.3								5.3	9.5
WSW		1.3	4.7	.7								6.7	8.2
W	.7		6.7	1.3								8.7	9.4
WNW		.7		1.3								2.0	9.3
NW		1.3	1.3									2.7	7.0
NNW		.7	1.3	2.0								4.0	10.5
VARBL													
CALM												.0	
	8.7	28.0	46.0	16.7	.7							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.7	2.0	.7								3.3	9.2
NNE	.7	2.7	2.0									5.3	5.9
NE	.7	1.3	1.3									3.3	6.8
ENE	1.3	2.0	2.7	.7								6.7	6.6
E	2.0	5.3	2.7									10.0	5.1
ESE		1.3	2.7									4.0	7.0
SE		1.3	2.0									3.3	7.2
SSE	.7	.7	4.0	.7								6.0	7.9
S	1.3	2.0	11.3	7.3								22.0	9.5
SSW		.7	7.3	3.3								11.3	9.6
SW	.7	1.3	4.0	.7								6.7	7.9
WSW		1.3	1.3	.7								3.3	8.4
W		2.0	4.7									6.7	8.3
WNW		.7	.7				.7					2.0	14.0
NW			3.3									3.3	9.0
NNW	.7	.7	.7									2.0	5.7
VARBL													
CALM												.7	
	8.0	24.0	52.7	14.0			.7					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	1.3	1.3								5.3	6.9
NNE	1.3	.7	.7									2.7	4.5
NE	.7	2.0	.7									3.3	6.0
ENE	1.3	1.3	1.3									4.0	4.7
E	2.0	1.3										3.3	3.4
ESE	2.0	1.3										3.3	3.8
SE	3.3	.7										4.0	2.5
SSE	3.3	2.0	4.0									9.3	5.4
S	2.0	9.3	16.0	.7								28.0	7.2
SSW		5.3	6.0	.7								12.0	7.6
SW	.7	1.3	.7									2.7	5.8
WSW	.7	1.3										2.0	3.3
W	.7	2.0	1.3									4.0	5.5
WNW			.7	1.3								2.0	11.3
NW													
NNW	.7											.7	3.0
VARBL													
CALM												13.3	
	20.0	30.0	32.7	4.0								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	.7	1.3								4.0	7.7
NNE	2.0		.7	.7								3.3	5.8
NE	.7	1.3	.7									2.7	5.0
ENE	1.3											1.3	2.5
E		2.0										2.0	4.3
ESE	.7		.7									1.3	6.0
SE			.7									.7	8.0
SSE	.7		2.7									3.3	6.6
S	4.7	14.7	12.7	.7								32.7	6.0
SSW	2.0	4.7	5.3									12.0	6.2
SW	3.3	2.7										6.0	3.3
WSW			.7									.7	8.0
W	.7	2.7										3.3	3.8
WNW	.7	1.3										2.0	4.0
NW		.7	.7	.7								2.0	8.0
NNW	.7	.7										1.3	4.0
VARBL													
CALM												21.3	
	18.0	32.0	25.3	3.3								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.4	1.4	.8								5.0	6.6
NNE	1.1	1.6	1.6	.3	.1							4.7	6.3
NE	.6	1.2	.9	.4								3.1	7.0
ENE	.8	1.1	1.0	.1								3.0	5.7
E	1.5	1.9	.7									4.1	4.4
ESE	.7	.7	.7	.1								2.2	5.6
SE	.4	.6	.5									1.5	5.1
SSE	1.8	1.7	2.9	.2								6.6	5.9
S	2.7	7.2	10.0	2.2								22.2	7.0
SSW	1.9	3.7	4.9	1.5								12.1	7.1
SW	1.2	1.4	1.8	.2								4.7	6.1
WSW	.9	1.5	1.5	.2								4.1	5.8
W	.7	2.1	2.7	.2								5.7	6.6
WNW	.8	.8	1.1	.3			.1					3.2	6.8
NW	.6	1.1	1.2	.2								3.2	6.6
NNW	.4	.3	.9	.6								2.4	8.2
VARBL													
CALM												12.5	
	17.6	28.5	33.8	7.4	.1		.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3										1.3	5.5
NNE													
NE	.6											.6	2.0
ENE													
E		.6										.6	4.0
ESE													
SE	.6											.6	1.0
SSE	4.5	1.9										6.5	3.4
S	4.5	10.3	5.8	1.9								22.6	5.6
SSW	3.2	3.9	2.6	1.3								11.0	5.5
SW	1.3	.6										1.9	2.7
WSW	1.9	1.9										3.9	3.3
W	4.5	1.3										5.8	2.4
WNW	1.3	3.2										4.5	4.1
NW	1.3	.6		.6								2.6	5.5
NNW	1.3	.6	1.9	.6								4.5	7.0
VARBL													
CALM												33.5	
	25.2	26.5	10.3	4.5								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.9										3.9	3.7
NNE	.6											.6	2.0
NE	.6											.6	3.0
ENE													
E	.6											.6	2.0
ESE													
SE	1.3											1.3	1.5
SSE	1.9	.0	.6									3.2	3.8
S	6.5	8.4	3.2	.6								18.7	4.6
SSW	.6	4.5	3.9	.6								9.7	6.4
SW	.6	1.9	.6		.6							3.9	7.0
WSW	3.2	.6										3.9	2.8
W	2.6	3.2										5.8	3.6
WNW	3.2	1.9										5.2	3.4
NW	3.2											3.2	2.2
NNW	1.9	1.3	1.3									4.5	4.7
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	34.8	
	29.0	24.5	9.7	1.3	.6							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	1.9	2.6									7.1	5.0
NNE	1.9	.6	.6									3.2	3.6
NE	1.3											1.3	1.5
ENE	.6	.6										1.3	4.0
E	.6											.6	1.0
ESE	.6											.6	3.0
SE	.6											.6	3.0
SSE	1.9	.6										2.6	3.3
S	2.6	5.2	6.5	2.6								16.8	7.2
SSW	1.9	8.4	4.5									14.8	5.6
SW	1.3	1.3	.6									3.2	4.4
WSW	2.6	3.9	.6									7.1	3.8
W	2.6	7.7	2.6									12.9	4.9
WNW	2.6	1.9	1.3									5.8	4.3
NW	1.9	2.6	1.9	.6								7.1	5.2
NNW	.6	1.9	1.3									3.9	5.7
VARBL													
CALM												11.0	
	26.5	36.8	22.6	3.2								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	5.8	1.3									9.7	4.9
NNE	1.9	1.9	1.9	.6								6.5	5.7
NE	.6	1.3										1.9	3.7
ENE	.6	1.3										1.9	4.7
E		1.3	.6									1.9	5.7
ESE	.6											.6	1.0
SE		1.3										1.3	5.0
SSE	.6	1.3										1.9	4.3
S	3.9	3.9	3.9	1.9								13.5	6.5
SSW	.6	5.2	4.5	1.9								12.3	7.1
SW	1.3	1.9	4.5	.6								8.4	7.2
WSW	2.6	3.9	5.2	.6								12.3	6.0
W	1.9	4.5	2.6									9.0	5.2
WNW	.6	3.2	3.9									7.7	6.7
NW	.6	.6	1.3									2.6	6.8
NNW		.6	2.6									3.2	8.0
VARBL													
CALM												5.2	
	18.7	38.1	32.3	5.8								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	3.9	.6									7.7	4.0
NNE	.6	1.9	1.3	.6								4.5	6.0
NE	1.3	3.9										5.2	4.4
ENE	2.6	.6	.6									3.9	3.5
E	1.9	1.3	1.9									5.2	5.3
ESE	.6											.6	2.0
SE													
SSE	1.3	1.3	.6									3.2	4.6
S	1.9	3.9	5.8	4.5								16.1	8.4
SSW	1.3	1.9	10.3	1.9	.6							16.1	8.6
SW	.6	1.3	1.9	1.9								5.8	9.0
WSW		3.2	2.6	1.3								7.1	8.1
W	1.9	1.9	7.1	.6								11.6	7.3
WNW	.6	2.6	1.3									4.5	6.0
NW		1.3	.6	1.3								3.2	9.2
NNW	.6	1.3	.6									2.6	4.3
VARBL													
CALM												2.6	
	18.7	30.3	35.5	12.3	.6							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9										2.6	4.8
NNE		3.2										3.2	5.2
NE	1.3	2.6	.6									4.5	4.7
ENE	3.2	.6										3.9	2.5
E	4.5	3.2	1.3									9.0	3.9
ESE	1.3		.6									1.9	4.3
SE		2.6										2.6	4.8
SSE	1.3	1.9	1.3									4.5	5.7
S		2.6	11.6	3.9								18.1	8.6
SSW	.6	2.6	7.1	3.9								14.2	8.8
SW	.6	1.9	1.3	1.3								5.2	7.0
WSW	1.9	1.3	1.9	1.3								6.5	6.6
W	1.9	3.2	8.4									13.5	6.8
WNW		.6	2.6	1.3								4.5	8.6
NW		.6	.6									1.3	7.0
NNW		.6	1.3									1.9	8.3
VARBL													
CALM												2.6	
	17.4	29.7	38.7	11.6								100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.3										3.2	3.4
NNE	.6	.6	.6									1.9	4.7
NE													
ENE	1.3											1.3	2.5
E	4.5											4.5	2.1
ESE	2.6	.6										3.2	2.6
SE	1.9											1.9	2.0
SSE	4.5	4.5										9.0	3.5
S	1.9	12.3	13.5	3.9								31.6	7.0
SSW	2.6		.6	.6								3.9	5.3
SW	3.2	2.6	.6									6.5	3.3
WSW	1.9	4.5										6.5	4.2
W	1.9	3.2	1.9									7.1	5.5
WNW	1.3		.6									1.9	3.3
NW													
NNW			.6		.6							1.3	12.5
VARBL													
CALM												16.1	
	30.3	29.7	18.7	4.5	.6							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
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ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9		.6									2.6	3.3
NNE	.6											.6	3.0
NE	.6											.6	3.0
ENE			.6									.6	10.0
E	.6											.6	2.0
ESE	.6											.6	3.0
SE	.6											.6	2.0
SSE	1.9	.6										2.6	3.0
S	8.4	11.0	9.7	1.9								31.0	5.8
SSW	4.5	3.9	3.2									11.6	5.0
SW	1.9	3.9										5.8	4.0
WSW	1.9	1.9										3.9	3.8
W	3.9	.6	1.3									5.8	3.6
WNW	.6	.6										1.3	2.5
NW	.6		.6									1.3	5.0
NNW	.6	.6	.6									1.9	6.0
VARBL													
CALM												28.4	
	29.7	23.2	16.8	1.9								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	2.3	.6									4.8	4.4
NNE	.8	1.0	.6	.2								2.6	5.1
NE	.8	1.0	.1									1.9	3.9
ENE	1.0	.4	.2									1.6	3.7
E	1.6	.8	.5									2.9	3.8
ESE	.8	.1	.1									1.0	2.9
SE	.6	.5										1.1	3.1
SSE	2.3	1.6	.3									4.2	3.9
S	3.7	7.2	7.5	2.7								21.0	6.6
SSW	1.9	3.8	4.6	1.3	.1							11.7	6.8
SW	1.4	1.9	1.2	.5	.1							5.1	5.9
WSW	2.0	2.7	1.3	.4								6.4	5.2
W	2.7	3.2	3.0	.1								9.0	5.3
WNW	1.3	1.8	1.2	.2								4.4	5.3
NW	1.0	.7	.6	.3								2.7	5.7
NNW	.6	.9	1.3	.1	.1							3.0	6.5
VARBL													
CALM												16.8	
	24.4	29.8	23.1	5.6	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	1.3									3.9	5.0
NNE	.6	.6	.6									1.9	5.3
NE		1.3										1.3	5.0
ENE													
E	1.3											1.3	2.5
ESE			.6									.6	10.0
SE	1.3	.6										1.9	2.7
SSE	1.9	1.3	.6									3.9	3.7
S	7.1	7.1	3.2									17.4	4.7
SSW	1.3	4.5	1.9									7.7	4.8
SW	2.6	3.2										5.8	3.7
WSW	1.9	1.3										3.2	3.2
W	.6	1.9	1.3									3.9	5.2
WNW	3.2	.6										3.9	3.2
NW		2.6										2.6	4.3
NNW	.6	.6	.6									1.9	5.0
VARBL													
CALM												38.7	
	23.9	27.1	10.3									100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	3.2	1.9									8.4	4.6
NNE			.6									.6	10.0
NE													
ENE	.6											.6	3.0
E													
ESE	1.3											1.3	2.5
SE	.6			.6								1.3	9.0
SSE	2.6											2.6	2.3
S	5.2	5.8	1.3	.6								12.9	4.4
SSW	3.2	2.6	1.3									7.1	4.5
SW	1.3	1.3	.6									3.2	3.8
WSW	3.2	1.3										4.5	3.3
W	2.6	5.2	.6									8.4	3.7
WNW	1.9	1.3										3.2	3.0
NW	3.9	1.9										5.8	2.9
NNW	.6	.6	.6									1.9	5.0
VARBL													
CALM												38.1	
	30.3	23.2	7.1	1.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	7.7	2.6									12.9	5.3
NNE	.6	1.9										2.6	3.8
NE													
ENE													
E	.6	.6										1.3	3.5
ESE	1.3											1.3	1.5
SE		.6	.6									1.3	6.5
SSE	1.3											1.3	1.5
S	7.7	8.4	1.9	.6		.6						19.4	5.2
SSW	2.6	1.3	1.9									5.8	4.4
SW	3.2	1.3	.6									5.2	3.8
WSW	3.9	3.2	.6									7.7	3.9
W	3.2	1.9	1.9									7.1	4.5
WNW	3.2	1.9	.6									5.8	3.8
NW	3.2	6.5	.6									10.3	4.6
NNW	3.2	.6	1.3									5.2	3.8
VARBL													
CALM												12.9	
	36.8	36.1	12.9	.6		.6						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	4.5	2.6									8.4	6.1
NNE	1.9	3.2	4.5	.6								10.3	6.1
NE	.6	1.9										2.6	4.8
ENE	2.6											2.6	2.5
E		3.2										3.2	5.2
ESE	.6	.6										1.3	3.5
SE	3.2											3.2	2.2
SSE	.6	.6	.6									1.9	4.7
S	1.9	2.6	9.0	1.3	.6							15.5	7.9
SSW	1.3	6.5	1.9	.6								10.3	6.1
SW	1.9	2.6	.6									5.2	4.8
WSW		3.2	1.9	.6								5.8	7.1
W	.6	5.8	1.9									8.4	5.7
WNW	.6	2.6	1.3	.6								5.2	6.4
NW	.6	.6	2.6									3.9	7.3
NNW	2.6		4.5	.6								7.7	6.8
VARBL													
CALM												4.5	
	20.6	38.1	31.6	4.5	.6							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	3.2	1.3									6.5	5.0
NNE	1.9	3.2	3.2	.6								9.0	6.1
NE	1.3	2.6	1.3	.6								5.8	6.0
ENE	.6	3.2	1.3									5.2	5.5
E	1.3	3.9	1.3									6.5	4.6
ESE	.6	1.3										1.9	3.7
SE	2.6											2.6	2.0
SSE		.6	1.3									1.9	6.7
S		.6	6.5	2.6								9.7	9.4
SSW	1.9	3.9	5.8	1.9								13.5	7.5
SW	.6	3.2	1.9									5.8	5.9
WSW		3.9	2.6	.6								7.1	7.2
W	1.3	3.2	5.8	1.9								12.3	7.6
WNW	.6	2.6	2.6									5.8	6.2
NW	.6	1.3	1.3									3.2	5.6
NNW		1.9	.6									2.6	5.8
VARBL													
CALM												.6	
	15.5	38.7	36.8	8.4								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.9	1.3	1.3								4.5	8.3
NNE	1.3	1.3	2.6									5.2	6.0
NE	1.9	2.6	1.3									5.8	5.2
ENE	3.2	5.2	.6									9.0	3.9
E	2.6	7.7										10.3	4.6
ESE		3.9	.6									4.5	5.3
SE	.6				.6							1.3	10.0
SSE		1.9										1.9	4.3
S	1.9	2.6	12.3	1.9								18.7	7.9
SSW	.6	2.6	3.2	1.3								7.7	7.6
SW		2.6	3.2									5.8	6.6
WSW		.6	2.6	1.3								4.5	9.6
W	.6	2.6	3.9	.6								7.7	6.7
WNW		3.2	1.9									5.2	6.3
NW	.6		1.9									2.6	6.8
NNW			1.3	.6								1.9	9.0
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	3.2	
	13.5	38.7	36.8	7.1	.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	3.9	1.3									7.1	4.7
NNE	1.3	.6										1.9	2.7
NE	1.9											1.9	2.0
ENE		.6										.6	4.0
E	1.9	.6										2.6	2.3
ESE	1.9	.6										2.6	2.5
SE	1.9	.6										2.6	2.5
SSE	4.5	1.9										6.5	2.6
S	5.8	9.7	10.3									25.8	5.5
SSW	.6	3.9	1.9	.6								7.1	5.8
SW	.6	.6										1.3	3.5
WSW	1.9		.6									2.6	4.0
W	2.6	.6	1.3		.6							5.2	6.0
WNW	.6	.6	2.6									3.9	6.2
NW			.6									.6	7.0
NNW	.6		.6	.6								1.9	8.0
VARBL													
CALM												25.8	
	28.4	24.5	19.4	1.3	.6							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET . SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6		.6									1.3	6.0
NNE	1.3											1.3	3.0
NE	.6											.6	1.0
ENE	.6											.6	2.0
E	1.3	.6										1.9	3.7
ESE	.6	.6										1.3	3.0
SE	.6	.6										1.3	3.5
SSE	1.3	1.9										3.2	3.8
S	10.3	12.3	3.9									26.5	4.4
SSW	2.6	4.5	1.3									8.4	4.8
SW	1.3	1.3	1.3									3.9	5.2
WSW	1.9											1.9	2.3
W	3.2	3.2	.6									7.1	3.7
WNW	.6											.6	1.0
NW													
NNW	1.3	2.6	1.3									5.2	5.4
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	34.8	
	28.4	27.7	9.0									100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	3.2	1.6	.2								6.6	5.4
NNE	1.1	1.4	1.5	.2								4.1	5.6
NE	.8	1.0	.3	.1								2.3	4.9
ENE	1.0	1.1	.2									2.3	4.0
E	1.1	2.1	.2									3.4	4.2
ESE	.8	.9	.2									1.9	3.9
SE	1.4	.3	.1	.1	.1							1.9	4.0
SSE	1.5	1.0	.3									2.9	3.5
S	5.0	6.1	6.0	.9	.1	.1						18.2	5.9
SSW	1.8	3.7	2.4	.6								8.5	5.9
SW	1.5	2.0	1.0									4.5	4.8
WSW	1.6	1.7	1.0	.3								4.7	5.5
W	1.9	3.1	2.2	.3	.1							7.5	5.6
WNW	1.4	1.6	1.1	.1								4.2	5.1
NW	1.1	1.6	.9									3.6	5.0
NNW	1.1	.8	1.4	.2								3.5	5.9
VARBL													
CALM												19.8	
	24.7	31.8	20.5	2.9	.2	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	.7									3.3	4.8
NNE	.7	2.0		.7								3.3	6.4
NE	.7	1.3										2.0	4.3
ENE		1.3										1.3	5.0
E	1.3											1.3	1.5
ESE	1.3											1.3	2.0
SE	1.3											1.3	2.0
SSE	2.7	1.3										4.0	2.8
S	6.7	4.7	3.3	.7								15.3	4.6
SSW	2.0	4.0	1.3									7.3	4.5
SW	2.0	1.3										3.3	3.0
WSW	.7	.7										1.3	4.0
W	2.0	6.0	2.0									10.0	4.7
WNW	1.3	.7	.7									2.7	4.3
NW	2.7	4.7										7.3	3.7
NNW	2.7	1.3	2.0	.7								6.7	5.7
VARBL													
CALM												28.0	
	29.3	30.7	10.0	2.0								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.7		.7								4.7	4.9
NNE	.7	1.3	.7									2.7	5.8
NE		1.3	1.3	.7								3.3	8.6
ENE	.7	.7										1.3	3.0
E	.7	.7										1.3	2.5
ESE													
SE	1.3											1.3	1.5
SSE	2.7		1.3									4.0	4.2
S	4.0	3.3	1.3	1.3								10.0	5.2
SSW	2.0	4.7	1.3									8.0	4.5
SW													
WSW	.7	2.0	.7									3.3	4.4
W	4.0	3.3	.7	.7								8.7	4.5
WNW	2.0	3.3		.7								6.0	4.7
NW	3.3	2.0										5.3	3.3
NNW	1.3	2.0	.7									4.0	5.3
VARBL													
CALM												36.0	
	24.7	27.3	8.0	4.0								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.3	2.7	2.7	.7								9.3	5.4
NNE		.7	.7									1.3	6.0
NE		2.0	.7	.7								3.3	7.6
ENE		.7	.7									1.3	6.0
E	2.7	1.3										4.0	2.8
ESE	.7	1.3										2.0	4.0
SE	2.7											2.7	1.8
SSE	1.3	.7	.7									2.7	4.5
S	6.0	4.7	.7	1.3								12.7	4.6
SSW	2.0	2.7	.7									5.3	4.1
SW	2.0	2.0	.7									4.7	4.1
WSW	1.3	.7										2.0	3.0
W	1.3	4.0	3.3	.7								9.3	6.4
WNW	4.0	2.7	2.0									8.7	4.5
NW	1.3	4.0	.7									6.0	4.7
NNW	2.0	2.0										4.0	3.7
VARBL													
CALM												20.7	
	30.7	32.0	13.3	3.3								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	4.0	2.7	1.3								8.7	6.5
NNE		3.3	1.3									4.7	6.3
NE	2.0	2.7	2.0									6.7	5.2
ENE		.7	1.3									2.0	6.3
E	.7	1.3										2.0	3.7
ESE	.7	1.3										2.0	4.0
SE		2.7	.7									3.3	5.4
SSE	.7	1.3										2.0	4.7
S	3.3	6.0	4.0	1.3								14.7	5.9
SSW	2.0	2.0	6.7									10.7	6.5
SW		3.3	1.3									4.7	5.9
WSW	1.3	.7	.7									2.7	4.3
W	2.0	5.3	7.3	1.3								16.0	7.1
WNW	.7	2.0	3.3	1.3								7.3	7.8
NW	.7	.7	3.3									4.7	7.6
NNW	1.3	.7	1.3	.7								4.0	6.7
VARBL													
CALM												4.0	
	16.0	38.0	36.0	6.0								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.0	1.3									3.3	6.4
NNE	.7	2.7	2.0									5.3	5.6
NE		2.0	2.0									4.0	6.2
ENE	.7	2.0	.7									3.3	4.8
E	1.3	2.0	1.3									4.7	5.0
ESE													
SE		3.3	.7									4.0	5.5
SSE	1.3	.7	.7									2.7	3.8
S		4.0	6.0	2.7								12.7	8.2
SSW	.7	2.7	4.0	1.3								8.7	7.5
SW	.7	2.0	6.0									8.7	7.1
WSW	.7	1.3	2.7									4.7	6.3
W	.7	5.3	5.3	1.3								12.7	7.2
WNW	1.3	2.0	6.0	2.7								12.0	7.9
NW	.7	2.0	.7	.7								4.0	6.5
NNW		1.3	2.0									3.3	8.4
VARBL													
CALM												6.0	
	8.7	35.3	41.3	8.7								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3										2.0	5.0
NNE	.7	3.3	1.3									5.3	5.5
NE	2.0	2.7	.7									5.3	4.5
ENE	1.3	4.7										6.0	4.4
E	2.0	3.3	.7									6.0	4.4
ESE	1.3	1.3	.7									3.3	4.4
SE	1.3	1.3	.7									3.3	4.8
SSE	.7	2.7		.7								4.0	5.8
S	1.3	9.3	4.7	1.3								16.7	6.7
SSW	.7	4.7	2.7	.7								8.7	6.7
SW	.7	1.3	2.0									4.0	6.0
WSW		2.7	3.3	.7								6.7	8.0
W	2.0	7.3	4.7	2.0								16.0	6.8
WNW		2.7	3.3									6.0	6.2
NW		2.0	.7									2.7	6.3
NNW	.7		1.3									2.0	7.3
VARBL													
CALM												2.0	
	15.3	50.7	26.7	5.3								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.0	.7	.7								4.7	5.7
NNE	1.3	.7	.7									2.7	4.8
NE	1.3	.7										2.0	3.0
ENE	1.3	.7										2.0	3.0
E	1.3	.7										2.0	2.0
ESE	1.3	.7										2.0	3.0
SE	2.7	.7	.7									4.0	3.0
SSE	3.3	.7										4.0	2.3
S	6.7	9.3	6.0	1.3								23.3	5.6
SSW	1.3	2.7										4.0	3.8
SW	.7	1.3										2.0	3.3
WSW	.7	.7										1.3	3.5
W	2.7	2.7	.7									6.0	4.3
WNW	2.0	1.3	.7									4.0	3.8
NW	.7	1.3										2.0	4.3
NNW	.7		.7									1.3	5.0
VARBL													
CALM												32.7	
	29.3	26.0	10.0	2.0								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	.7	.7								4.0	5.7
NNE	2.0	.7	.7									3.3	4.2
NE	2.0	.7										2.7	3.0
ENE		.7										.7	6.0
E	1.3											1.3	2.0
ESE	1.3		.7									2.0	3.3
SE	.7											.7	2.0
SSE	3.3	1.3	.7									5.3	3.4
S	7.3	4.7	2.7	1.3								16.0	4.8
SSW	2.0	5.3	2.0									9.3	5.2
SW	1.3	1.3										2.7	3.3
WSW	3.3											3.3	2.4
W	2.0	1.3	.7									4.0	4.7
WNW	.7	2.0		.7								3.3	6.4
NW	2.0		2.7									4.7	5.0
NNW	.7	4.0	2.0									6.7	5.5
VARBL													
CALM												30.0	
	31.3	23.3	12.7	2.7								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	2.2	1.1	.5								5.0	5.6
NNE	.7	1.8	.9	.1								3.6	5.6
NE	1.0	1.7	.8	.2								3.7	5.5
ENE	.5	1.4	.3									2.2	4.7
E	1.4	1.2	.2									2.8	3.6
ESE	.8	.6	.2									1.6	3.6
SE	1.2	1.0	.3									2.6	3.8
SSE	2.0	1.1	.4	.1								3.6	3.8
S	4.4	5.7	3.6	1.4								15.2	5.7
SSW	1.6	3.6	2.3	.2								7.7	5.6
SW	.9	1.6	1.2									3.7	5.2
WSW	1.1	1.1	.9	.1								3.2	5.2
W	2.1	4.4	3.1	.7								10.3	6.1
WNW	1.5	2.1	2.0	.7								6.2	6.1
NW	1.4	2.1	1.0	.1								4.6	5.0
NNW	1.2	1.4	1.2	.2								4.0	5.8
VARBL													
CALM												19.9	
	23.2	32.9	19.7	4.2								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	1.3	.6	1.3								6.5	5.0
NNE	.6	.6	1.3									2.6	6.0
NE	1.9	2.6	.6									5.2	4.9
ENE	.6											.6	2.0
E		1.3	.6									1.9	6.0
ESE	1.3											1.3	1.5
SE		1.9										1.9	4.7
SSE	1.3			.6								1.9	6.3
S	3.2	3.2	1.3									7.7	4.6
SSW	1.9	5.2	2.6									9.7	5.7
SW	1.3	1.3	.6	.6								3.9	6.2
WSW	1.9	1.9	.6									4.5	3.9
W	1.9	3.9	1.3									7.1	4.6
WNW	1.9	.6										2.6	3.0
NW		1.9	1.9	.6								4.5	7.7
NNW	1.3	1.3	1.9	.6								5.2	6.3
VARBL													
CALM												32.9	
	22.6	27.1	13.5	3.9								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	3.2	1.9									7.1	5.2
NNE		1.3	1.3	.6								3.2	7.4
NE	.6	.6										1.3	2.5
ENE	.6	1.3	.6									2.6	5.0
E	.6	.6	.6									1.9	4.3
ESE	.6	.6	.6									1.9	5.3
SE	1.3											1.3	2.0
SSE	3.2											3.2	1.8
S	3.2	2.6	1.3	.6								7.7	5.0
SSW	1.3	1.9	3.2									6.5	5.8
SW	.6		.6	.6								1.9	7.7
WSW	.6	1.9	2.6	.6								5.8	6.3
W	1.9	3.2	1.3									6.5	4.9
WNW	1.9	1.3	.6									3.9	4.3
NW	1.9	1.9	2.6	.6								7.1	5.9
NNW	1.3	1.9	2.6									5.8	5.6
VARBL													
CALM												32.3	
	21.9	22.6	20.0	3.2								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.9	1.9									5.2	6.1
NNE	.6	.6	1.3	.6								3.2	7.4
NE		.6										.6	6.0
ENE		1.9										1.9	5.7
E	1.9	.6										2.6	2.5
ESE													
SE		.6		.6								1.3	8.5
SSE	1.3	1.3	.6									3.2	3.8
S	3.9	4.5		.6								9.0	4.3
SSW	1.9	2.6	2.6		.6							7.7	5.8
SW	1.9	1.3	1.9									5.2	5.9
WSW	.6	1.9	1.9	.6								5.2	6.6
W	1.3	1.9	1.9	.6								5.8	6.1
WNW	1.9	3.2	1.9									7.1	5.3
NW	4.5	1.9	3.9	.6								11.0	5.6
NNW	3.2	1.9	1.3	.6								7.1	4.9
VARBL													
CALM												23.9	
	24.5	27.1	19.4	4.5	.6							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	3.9	5.8	1.3								12.3	6.9
NNE	.6	1.3	3.2	.6								5.8	7.2
NE	1.3	1.3	1.3									3.9	5.7
ENE	.6	1.9	1.3									3.9	5.0
E	.6	1.9										2.6	4.3
ESE		1.3	.6									1.9	6.3
SE	.6	.6										1.3	4.0
SSE	1.3	.6	.6									2.6	4.5
S	.6	3.2	2.6	2.6								9.0	7.5
SSW	1.3	1.3	3.2	2.6								8.4	7.8
SW		3.9	1.9									5.8	6.8
WSW		.6	1.3	1.9								3.9	9.8
W	.6	3.2	3.2	3.2	1.3							11.6	9.6
WNW	.6	1.3	2.6	.6								5.2	7.0
NW		2.6	1.9	1.3	.6							6.5	8.8
NNW	1.9	3.2	5.8	1.3								12.3	7.2
VARBL													
CALM												3.2	
	11.6	32.3	35.5	15.5	1.9							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.9	4.5	.6								9.0	7.4
NNE	.6	3.2	1.3	1.9								7.1	7.7
NE	1.9	.6	2.6									5.2	6.0
ENE		2.6	1.3	.6								4.5	6.7
E		1.3	.6									1.9	5.7
ESE		.6	.6									1.3	5.5
SE			.6									.6	9.0
SSE			.6	.6								1.3	11.0
S	.6	4.5	2.6	3.2								11.0	8.1
SSW	1.9	1.3	5.2		.6							9.0	7.4
SW	.6	3.2	2.6	.6								7.1	6.8
WSW		1.3	3.9	2.6	.6							8.4	9.9
W	.6	1.3	6.5	3.9								12.3	9.3
WNW		3.9	2.6	1.9								8.4	7.9
NW	1.3	.6	1.3	1.3								4.5	7.0
NNW	1.3	1.9	1.9	1.3								6.5	7.3
VARBL													
CALM												1.9	
	9.0	30.3	38.7	18.7	1.3							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

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ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	3.2										3.9	4.0
NNE	.6	3.9	1.3		.6							6.5	6.9
NE		.6	2.6	.6								3.9	9.5
ENE	1.9	1.3										3.2	3.4
E	3.2	4.5	2.6									10.3	5.2
ESE	.6	1.3	1.9									3.9	5.8
SE		.6	1.3									1.9	7.0
SSE			.6									.6	8.0
S	.6	6.5	1.3	1.9		.6						11.0	7.5
SSW	1.9	5.2	3.2									10.3	5.9
SW	1.3	1.9	1.3									4.5	5.1
WSW	.6	3.2	1.3	1.3								6.5	7.0
W	.6	3.2	3.9	3.9								11.6	9.1
WNW	.6	3.9	1.9	3.2								9.7	8.2
NW	.6	3.2	3.2	.6								7.7	6.6
NNW		.6	.6	.6								1.9	8.7
VARBL													
CALM												2.6	
	13.5	43.2	27.1	12.3	.6	.6						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

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DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	.6	.6									2.6	4.8
NNE	.6		.6	1.3	.6							3.2	10.2
NE	.6	.6	1.3									2.6	5.3
ENE													
E	1.3		.6									1.9	4.3
ESE	.6	1.9	.6									3.2	5.2
SE	2.6											2.6	2.3
SSE	1.9	.6	1.3									3.9	4.5
S	5.2	5.8	1.9	1.3								14.2	5.1
SSW	3.2	2.6	1.9									7.7	4.8
SW	3.2	.6	.6									4.5	3.1
WSW	1.3	1.3	1.3	.6								4.5	6.6
W	3.2	3.2	3.2	1.3								11.0	5.9
WNW	.6	1.3	1.9									3.9	5.2
NW	1.3	2.6	1.3									5.2	5.5
NNW	1.3	.6	1.9	.6								4.5	7.0
VARBL													
CALM												24.5	
	28.4	21.9	19.4	5.2	.6							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.9		1.9								5.2	7.0
NNE	.6	.6	.6									1.9	6.3
NE		.6										.6	5.0
ENE	.6	1.9										2.6	4.3
E	1.9		1.3	.6								3.9	5.8
ESE		1.3										1.3	5.0
SE	.6											.6	3.0
SSE	.6											.6	2.0
S	5.8	5.8		1.3								12.9	4.5
SSW	3.9	5.2	1.3	1.3								11.6	5.1
SW	1.3	2.6	1.3									5.2	5.0
WSW	3.2	2.6	.6									6.5	4.2
W	1.9	.6	1.9									4.5	4.7
WNW	.6	1.3	1.3									3.2	5.4
NW	1.3	1.3	2.6	1.3								6.5	7.0
NNW	1.9	1.3	.6	.6	.6							5.2	6.9
VARBL													
CALM												27.7	
	25.8	27.1	11.6	7.1	.6							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.5	1.9	.6								6.5	6.1
NNE	.6	1.5	1.4	.6	.2							4.2	7.4
NE	.8	1.0	1.0	.1								2.9	6.0
ENE	.6	1.4	.4	.1								2.4	5.0
E	1.2	1.3	.8	.1								3.4	4.9
ESE	.4	.9	.6									1.9	5.2
SE	.6	.5	.2	.1								1.5	4.7
SSE	1.2	.3	.5	.2								2.2	4.6
S	2.9	4.5	1.4	1.5		.1						10.3	5.8
SSW	2.2	3.1	2.9	.5	.2							8.9	6.0
SW	1.3	1.9	1.4	.2								4.8	5.8
WSW	1.0	1.9	1.7	1.0	.1							5.6	6.9
W	1.5	2.6	2.9	1.6	.2							8.8	7.4
WNW	1.0	2.1	1.6	.7								5.5	6.4
NW	1.4	2.0	2.3	.8	.1							6.6	6.6
NNW	1.5	1.6	2.1	.7	.1							6.0	6.6
VARBL													
CALM												18.6	
	19.7	29.0	23.1	8.8	.7	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 01 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	1.3	1.3									5.3	4.0
NNE	1.3	2.0	.7									4.0	4.5
NE	.7	.7	.7									2.0	6.3
ENE			.7	.7								1.3	11.0
E	2.0		.7									2.7	3.8
ESE													
SE			.7									.7	8.0
SSE	.7											.7	2.0
S	9.3	4.0	2.0									15.3	3.8
SSW	.7	5.3	1.3	.7								8.0	5.8
SW	1.3	6.0	.7	.7								8.7	6.0
WSW	.7	.7	1.3									2.7	6.0
W	2.0	6.7	3.3	.7								12.7	5.7
WNW	1.3	1.3	1.3	2.7								6.7	8.1
NW		1.3	1.3									2.7	6.8
NNW	1.3	1.3	.7	2.0								5.3	7.6
VARBL													
CALM												21.3	
	24.0	30.7	16.7	7.3								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.0	.7	.7									5.3	3.6
NNE		2.0	1.3									3.3	7.0
NE				.7								.7	12.0
ENE	.7											.7	3.0
E	1.3	1.3										2.7	4.0
ESE													
SE		.7										.7	4.0
SSE	1.3	1.3		.7								3.3	5.0
S	2.0	4.7	2.0	.7								9.3	5.6
SSW	.7	6.0	1.3									8.0	5.1
SW	3.3	.7	.7	.7								5.3	4.9
WSW	3.3	4.0	2.0	1.3								10.7	5.5
W	3.3	2.0	2.7	1.3								9.3	6.6
WNW	1.3	1.3	2.7	.7								6.0	7.0
NW	2.0	1.3		1.3								4.7	6.3
NNW	3.3	.7	.7	.7								5.3	4.8
VARBL													
CALM												24.7	
	26.7	26.7	14.0	8.0								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	1.3									3.3	5.6
NNE		2.0	.7	.7								3.3	7.2
NE	.7	.7		.7								2.0	6.0
ENE			1.3									1.3	8.5
E	.7	.7	.7	.7								2.7	7.0
ESE	.7											.7	2.0
SE	1.3	.7										2.0	3.0
SSE	1.3											1.3	2.0
S	2.7	2.0	4.7	.7	.7							10.7	6.8
SSW	1.3	4.7	3.3									9.3	5.6
SW	1.3	1.3	1.3									4.0	4.7
WSW	3.3	1.3	2.7	.7								8.0	5.7
W		4.0	4.0	1.3								9.3	7.4
WNW	3.3	2.7	3.3									9.3	5.2
NW	2.0	2.0	.7	.7	.7							6.0	6.3
NNW	3.3	.7	1.3									5.3	3.9
VARBL													
CALM												21.3	
	22.7	24.0	25.3	5.3	1.3							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS)

10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7	2.7	.7								4.7	7.3
NNE	.7	2.7	1.3	1.3								6.0	7.6
NE	.7		2.0									2.7	6.3
ENE	1.3		1.3									2.7	6.3
E			1.3									1.3	7.5
ESE		.7										.7	5.0
SE	.7	2.0										2.7	4.5
SSE		2.7	.7									3.3	5.6
S	1.3	2.7	2.0	1.3								7.3	6.5
SSW		1.3	5.3	.7								7.3	8.0
SW	.7	.7	6.0	1.3								8.7	7.9
WSW	.7	1.3	3.3	3.3								8.7	9.6
W	1.3	4.7	5.3	6.7	.7							18.7	9.1
WNW	.7	2.7	2.7	3.3	.7							10.0	9.0
NW		.7	.7		.7							2.0	11.7
NNW	3.3	1.3	.7	2.0								7.3	6.0
VARBL													
CALM												6.0	
	12.0	24.0	35.3	20.7	2.0							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.3	.7	.7									4.7	3.4
NNE		4.0	2.0	.7								6.7	6.4
NE	.7	2.0	.7		.7							4.0	7.7
ENE		1.3		.7								2.0	7.0
E	1.3	.7										2.0	2.7
ESE		.7	.7									1.3	7.0
SE	.7	2.0										2.7	4.8
SSE		.7	.7									1.3	6.5
S	.7	2.0	2.0	2.7								7.3	8.5
SSW	1.3	3.3	4.0	3.3								12.0	8.1
SW		4.0		.7	.7							5.3	7.9
WSW	2.0	2.0	6.7	4.0								14.7	8.7
W	1.3	2.0	6.7	8.7								18.7	9.8
WNW	2.7		2.7	1.3	1.3							8.0	9.5
NW		.7	2.0	1.3								4.0	8.8
NNW		1.3	.7	.7								2.7	8.8
VARBL													
CALM												2.7	
	14.0	27.3	29.3	24.0	2.7							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE		2.7		.7								3.3	7.0
NE	.7	1.3	1.3	.7								4.0	7.3
ENE	2.0	2.0										4.0	3.7
E	2.0	2.0		.7								4.7	4.7
ESE			1.3									1.3	8.5
SE	.7											.7	3.0
SSE	.7	2.0	.7									3.3	5.6
S	4.0	2.7	2.7	3.3								12.7	6.9
SSW	1.3	.7	2.0	3.3								7.3	8.8
SW		.7	.7	1.3								2.7	10.0
WSW	2.0	2.0	2.7	3.3								10.0	7.7
W	1.3	6.0	10.0	4.0								21.3	8.3
WNW	.7	2.0	2.0	2.7	.7							8.0	9.4
NW	.7	2.0	.7		.7							4.0	7.0
NNW	.7	.7	1.3									2.7	5.3
VARBL													
CALM												10.0	
	16.7	26.7	25.3	20.0	1.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.7	.7	.7								4.7	6.0
NNE	1.3	2.0		.7								4.0	5.8
NE	1.3			.7								2.0	5.7
ENE		1.3										1.3	4.5
E	1.3	.7		.7								2.7	5.3
ESE	1.3	.7	.7									2.7	4.0
SE	.7											.7	3.0
SSE	.7		.7	.7								2.0	7.7
S	7.3	4.0	3.3	2.0								16.7	5.3
SSW	3.3	1.3	1.3	1.3								7.3	5.5
SW	3.3	.7	1.3	.7								6.0	5.1
WSW	2.0	2.0	3.3	.7								8.0	6.3
W	1.3	5.3	6.0	1.3								14.0	6.7
WNW	.7	1.3	1.3	.7	1.3							5.3	9.6
NW	.7	.7		.7								2.0	7.0
NNW		.7	.7	.7								2.0	9.0
VARBL													
CALM												18.7	
	26.0	23.3	19.3	11.3	1.3							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	.7	2.0									4.7	5.6
NNE	.7	2.7										3.3	4.4
NE	.7		.7									1.3	5.5
ENE		1.3	.7	.7								2.7	8.0
E	.7		.7									1.3	6.5
ESE		.7										.7	4.0
SE			.7									.7	7.0
SSE	.7											.7	2.0
S	4.7	6.7	2.7	.7								14.7	4.7
SSW	2.7	2.7	2.7	1.3								9.3	6.1
SW	.7	4.7	4.0									9.3	5.9
WSW		4.0	1.3	1.3								6.7	7.3
W	5.3	4.0	2.0	.7								12.0	4.9
WNW		3.3	2.0	1.3								6.7	7.6
NW	.7	.7										1.3	3.0
NNW	1.3	1.3	.7	.7								4.0	6.3
VARBL													
CALM												20.7	
	20.0	32.7	20.0	6.7								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	1.0	1.2	.2								4.1	5.0
NNE	.5	2.5	.7	.5								4.2	6.3
NE	.7	.6	.7	.3	.1							2.3	6.9
ENE	.5	.7	.3	.2								2.0	6.3
E	1.2	.7	.4	.2								2.5	5.0
ESE	.2	.3	.3									.9	5.3
SE	.5	.7	.2									1.3	4.4
SSE	.7	.8	.3	.2								2.0	5.2
S	4.0	3.6	2.7	1.4	.1							11.7	5.7
SSW	1.4	3.2	2.7	1.3								8.6	6.7
SW	1.3	2.3	1.8	.7	.1							6.2	6.4
WSW	1.7	2.2	2.9	1.8								8.7	7.3
W	2.0	4.3	5.0	3.1	.1							14.5	7.6
WNW	1.3	1.8	2.2	1.6	.5							7.5	8.1
NW	.7	1.2	.7	.5	.2							3.3	7.1
NNW	1.7	1.0	.8	.8								4.3	6.1
VARBL													
CALM												15.7	
	20.2	26.9	23.2	12.9	1.1							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.6	.6		.6							2.6	8.3
NNE	.6	1.3		1.3								3.2	7.6
NE			.6									.6	10.0
ENE	1.3		1.3	.6								3.2	7.6
E		.6	.6									1.3	7.0
ESE	1.3											1.3	1.5
SE	.6	.6	.6	.6								2.6	7.8
SSE	3.2	1.3										4.5	3.4
S	3.2	1.3	1.9	.6								7.1	5.5
SSW	.6	1.3	3.9	2.6	.6							9.0	10.1
SW	1.9	1.9	.6									4.5	4.1
WSW	1.3	.0	3.2	.6								5.8	7.3
W	4.5	5.8	3.9	1.3	.6							16.1	6.4
WNW	1.9	3.9	1.3	.6	.6							8.4	6.7
NW	3.9	1.3	1.3	1.3								7.7	5.8
NNW		1.3	3.2	.6								5.2	7.9
VARBL													
CALM												16.8	
	25.2	21.9	23.2	10.3	2.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | 04 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.9			.6							3.9	6.3
NNE	.6		1.9	.6								3.2	8.2
NE		.6	.6	.6								1.9	8.3
ENE		1.3		.6								1.9	8.0
E	.6		.6									1.3	5.0
ESE	.6		.6									1.3	4.5
SE	.6	1.3										1.9	4.3
SSE		.6	1.3									1.9	7.0
S	2.6	3.9		.6								7.1	4.8
SSW	.6	3.9	3.9									8.4	6.5
SW		3.9	.6									4.5	5.3
WSW	1.9	1.9	1.3	1.3	.6							7.1	7.0
W		10.3	1.9	1.9	.6							14.8	6.9
WNW	3.9	1.9	1.9	.6								8.4	4.9
NW	1.9	2.6	3.9	1.3								9.7	6.7
NNW	1.3	.6	1.9	.6								4.5	7.0
VARBL													
CALM												18.1	
	16.1	34.8	20.6	8.4	1.9							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | 07 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.6		.6	.6							3.9	8.3
NNE	.6		1.3	.6								2.6	7.5
NE		1.3	.6	.6								2.6	9.0
ENE	.6		1.3	.6	.6							3.2	9.8
E													
ESE													
SE	1.3		1.9									3.2	5.2
SSE	1.3	1.3	.6	.6								3.9	6.0
S	2.6	1.9	1.3									5.8	4.2
SSW	.6	1.9	2.6	1.3								6.5	8.2
SW	.6	2.6	.6									3.9	5.0
WSW	.6	3.2	3.9	.6								8.4	7.3
W	1.9	3.9	1.9	2.6								10.3	7.2
WNW	1.3	5.8	2.6	.6								10.3	5.9
NW	3.2	1.9	1.9									7.1	4.6
NNW	2.6	5.2	1.9	.6								10.3	5.3
VARBL													
CALM												18.1	
	17.4	31.6	22.6	9.0	1.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | 10 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	5.2	3.2									10.3	5.8
NNE	.6	.6	1.3		.6							3.2	7.8
NE	.6	.6		1.3								2.6	8.3
ENE	.6	.6		.6								1.9	6.3
E			.6			.6						1.3	14.5
ESE	.6		1.3									1.9	6.0
SE	.6	.6										1.3	4.0
SSE	.6	1.9		1.3								3.9	7.3
S	2.6	1.9	4.5	.6								9.7	6.7
SSW	1.3	1.3	1.9		.6							5.2	7.5
SW			3.2	.6								3.9	9.7
WSW	.6	1.9	.6	1.3	.6							5.2	8.9
W	2.6	.6	7.7	5.2	.6							16.8	9.5
WNW		1.3	5.2	3.2	.6							10.3	9.5
NW	1.3	1.9	2.6	2.6								8.4	8.2
NNW	1.9	1.3	4.5	1.3								9.0	7.2
VARBL													
CALM												5.2	
	16.1	20.0	36.8	18.1	3.2	.6						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | 13 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	5.2	1.3	2.6								9.7	7.4
NNE		.6	1.3	.6								2.6	9.5
NE	.6			1.3								1.9	9.0
ENE		1.9	1.3									3.2	6.2
E		1.3	.6	.6								2.6	7.3
ESE				.6								.6	12.0
SE		.6		1.3								1.9	10.7
SSE		1.3	.6	1.3								3.2	8.2
S	.6	1.9	6.5	1.3	.6							11.0	8.8
SSW	1.3	1.9	.6	2.6								6.5	8.4
SW	.6	1.3	3.2	.6								5.8	7.6
WSW		1.3	3.9	.6								5.8	9.3
W	.6	3.2	3.2	7.7	2.6							17.4	11.6
WNW	1.3	2.6	1.9	3.2	1.3							10.3	9.8
NW		.6	3.9	1.3	.6							6.5	9.5
NNW	1.3	1.3	1.9	1.9								6.5	8.0
VARBL													
CALM												4.5	
	7.1	25.2	30.3	27.7	5.2							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | 16 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9	2.6	.6								5.8	7.4
NNE	1.3	2.6		1.3								5.2	6.1
NE		1.3										1.3	4.5
ENE	.6	1.3	.6									2.6	5.3
E	.6		1.9									2.6	8.3
ESE	.6	.6										1.3	3.5
SE	.6	.6	.6									1.9	5.7
SSE	.6	2.6	.6	.6								4.5	5.7
S	.6	2.6	3.9	2.6	.6	.6						11.0	9.9
SSW	2.6	.6	1.3									4.5	4.3
SW	.6	2.6	.6									3.9	4.7
WSW		2.6	1.3	.6	.6							5.2	8.4
W	2.6	2.6	5.2	7.1	.6	.6						18.7	9.6
WNW	2.6	1.3	4.5	2.6								11.0	7.8
NW	1.9	2.6	1.3	1.9								7.7	7.0
NNW	1.3	.6	1.3	.6								3.9	5.7
VARBL													
CALM												9.0	
	17.4	26.5	25.8	18.1	1.9	1.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | 19 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9	.6	.6	.6							4.5	7.7
NNE			1.3	1.3								2.6	10.5
NE		.6	.6	.6								1.9	8.7
ENE	.6	.6	1.3									2.6	6.0
E	1.3			.6								1.9	5.0
ESE	.6			.6								1.3	7.5
SE	1.3	.6	.6									2.6	3.8
SSE	.6		.6	.6								1.9	7.3
S	3.2	2.6	3.2	1.3								10.3	5.9
SSW	1.3	1.9	1.9	1.3	.6							7.1	8.7
SW	1.9	3.2	1.3									6.5	5.5
WSW	1.9	2.6	.6									5.2	4.5
W	3.2	3.9	7.7	1.3	.6							16.8	7.2
WNW	1.3	2.6	1.3	1.9								7.1	7.2
NW	1.3	.6	1.9	1.9								5.8	8.6
NNW	.6	.6	1.9	.6								3.9	8.2
VARBL													
CALM												18.1	
	20.0	21.9	25.2	12.9	1.9							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | 22 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	.6		.6							3.9	7.0
NNE		1.3		1.3								2.6	8.3
NE		1.3		1.9								3.2	9.4
ENE		1.3										1.3	5.0
E				1.3								1.3	11.5
ESE	.6			.6								1.3	9.0
SE		.6										.6	5.0
SSE	.6			.6								1.3	8.5
S	4.5	.6	2.6	2.6								10.3	6.9
SSW	1.3	1.3	5.8		1.3							9.7	8.3
SW	.6	1.3										1.9	4.0
WSW	2.6	3.2	.6									6.5	4.3
W	2.6	5.8	6.5	3.9								18.7	7.9
WNW	1.9	1.3	1.3	1.3								5.8	6.4
NW		1.9	1.3	.6								3.9	7.3
NNW	1.3	.6	3.9	.6								6.5	6.7
VARBL													
CALM												21.3	
	17.4	21.9	22.6	14.8	1.9							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	2.6	1.1	.6	.4							5.6	7.1
NNE	.5	.8	.9	.9	.1							3.1	7.9
NE	.2	.7	.3	.8								2.0	8.5
ENE	.5	.9	.7	.3	.1							2.5	7.0
E	.3	.2	.6	.3		.1						1.5	8.1
ESE	.6	.1	.2	.2								1.1	5.9
SE	.6	.6	.5	.2								2.0	5.9
SSE	.9	1.1	.5	.6								3.1	6.3
S	2.5	2.1	3.0	1.2	.2	.1						9.0	6.9
SSW	1.2	1.8	2.7	1.0	.4							7.1	8.0
SW	.8	2.1	1.3	.2								4.4	5.9
WSW	1.1	2.2	1.9	.6	.2							6.1	7.1
W	2.3	4.5	4.8	3.9	.7	.1						16.2	8.4
WNW	1.8	2.0	2.5	1.8	.3							9.0	7.4
NW	1.7	1.7	2.3	1.4	.1							7.1	7.1
NNW	1.3	1.5	2.6	.9								6.2	6.8
VARBL													
CALM												13.9	
	17.1	25.5	25.9	14.9	2.5	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | ALL (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.1	1.6	.5	.1							5.6	6.3
NNE	.8	1.4	1.2	.4	.1							3.9	6.7
NE	.6	1.1	.7	.3	.0							2.7	6.3
ENE	.6	.9	.5	.2	.0							2.3	5.8
E	1.1	1.2	.6	.2	.0	.0						3.0	5.0
ESE	.5	.6	.3	.0	.0							1.5	4.8
SE	.6	.5	.3	.1	.0		.0					1.6	5.0
SSE	1.3	1.2	.8	.2	.0							3.5	5.1
S	3.2	4.6	4.2	1.8	.1	.0						13.9	6.5
SSW	1.5	3.0	3.1	1.2	.1	.0	.0					9.0	7.1
SW	1.0	1.7	1.4	.5	.1	.0						4.8	6.4
WSW	1.3	1.7	1.7	.8	.1	.0	.0					5.7	7.0
W	1.8	3.5	3.9	2.3	.4	.1						11.9	7.8
WNW	1.1	1.9	2.0	1.4	.2	.0	.0					6.7	7.8
NW	1.0	1.6	1.7	1.1	.2	.0						5.7	7.8
NNW	.8	1.1	1.5	.8	.1	.0						4.3	7.4
VARBL													
CALM												14.1	
	18.6	28.1	25.8	11.7	1.5	.2	.0					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 14608

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14790	SOUTH WEYMOUTH, MASSACHUSETTS	73-77	ALL
STATION	STATION NAME	YEARS	MONTH

INSTRUMENT
CLASS

ALL
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	3.8	3.7	1.9	.3							11.4	7.5
NNE	1.4	3.1	3.1	1.0	.2							8.9	7.0
NE	1.2	2.3	2.0	.7	.0							6.4	6.8
ENE	.9	1.5	1.1	.7	.1							4.3	7.0
E	1.7	2.0	1.2	.7	.1	.0						5.7	6.1
ESE	.9	.9	.5	.2	.0							2.5	5.7
SE	.8	1.1	.9	.2								3.0	5.9
SSE	1.4	1.7	2.0	.5	.0							5.5	6.4
S	3.6	5.7	6.4	2.1	.2	.1						18.2	6.9
SSW	1.0	3.0	2.9	.8	.1		.1					8.0	7.2
SW	.5	1.4	.8	.0								2.7	5.5
WSW	.6	.6	.3	.1	.0							1.6	5.4
W	.7	.7	.8	.2	.0							2.6	6.2
WNW	.5	1.0	.5	.2								2.3	6.1
NW	.5	.7	1.0	.6	.1							2.9	7.8
NNW	.9	1.3	2.0	1.2	.1							5.5	7.9
VARBL													
CALM												8.5	
	18.3	30.9	29.4	11.3	1.4	.1	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2405

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NWSD, Federal Building

Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of $\geq$ 1500 feet with $\geq$ 3 miles, subtracted from 97.4 read from the table at the intersection of $\geq$ 500 feet with $\geq$ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling $\geq$ 500 feet with visibility $\geq$ 1 mile, but < 3 miles; or ceiling $\geq$ 500 feet, but < 1500 feet with visibility $\geq$ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.

2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS	TENTHS
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH) | 01 (HOURS (L S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000		51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000		51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000		51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000		51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000		51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000		54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 9000		54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000		56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 7000		58.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000		59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000		60.7	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500		63.2	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4000		66.5	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500		69.0	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000		71.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500		74.2	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2000		76.8	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800		77.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500		80.0	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200		80.0	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000		80.0	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900		80.0	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800		80.0	83.9	85.2	85.8	85.8	85.8	87.1	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7
≥ 700		81.3	85.8	87.7	88.4	88.4	88.4	89.7	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3
≥ 600		81.3	85.8	87.7	89.0	89.0	89.0	90.3	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 500		81.9	87.1	89.7	91.0	91.0	91.6	92.9	93.6	93.6	94.2	94.2	94.8	94.8	94.8	94.8
≥ 400		81.9	87.1	90.3	92.9	92.9	93.6	94.8	95.5	95.5	96.1	96.1	98.1	98.1	98.7	98.7
≥ 300		81.9	87.1	90.3	92.9	93.6	94.2	95.5	96.1	96.1	96.8	96.8	98.7	98.7	99.4	99.4
≥ 200		81.9	87.1	90.3	92.9	93.6	94.2	95.5	96.1	96.1	96.8	96.8	98.7	98.7	99.4	99.4
≥ 100		81.9	87.1	90.3	92.9	93.6	94.2	95.5	96.1	96.1	96.8	96.8	98.7	98.7	100.0	100.0
0		81.9	87.1	90.3	92.9	93.6	94.2	95.5	96.1	96.1	96.8	96.8	98.7	98.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH) | 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		47.7	48.4	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000		51.6	52.3	52.9	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000		51.6	52.3	52.9	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000		51.6	52.3	52.9	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000		51.6	52.3	52.9	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000		52.3	52.9	53.6	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000		55.5	56.1	56.8	57.4	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000		55.5	56.1	56.8	57.4	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000		60.7	61.3	61.9	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000		61.3	61.9	62.6	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000		61.9	62.6	63.9	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000		64.5	65.2	66.5	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500		65.8	66.5	67.7	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000		67.7	68.4	69.7	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500		70.3	71.0	72.3	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000		72.3	72.9	74.2	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500		75.5	76.1	77.4	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000		76.1	76.8	78.1	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800		76.1	76.8	78.1	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500		76.8	78.1	79.4	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200		78.1	79.4	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1000		78.7	80.7	82.6	83.9	83.9	84.5	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900		79.4	81.9	83.9	85.2	85.2	85.8	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800		80.0	82.6	85.2	86.5	86.5	87.1	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 700		80.0	82.6	85.2	87.1	87.1	87.7	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600		80.7	83.2	85.8	87.7	87.7	88.4	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 500		81.3	84.5	87.1	89.0	89.0	91.0	92.3	92.9	93.6	94.2	94.2	94.8	94.8	94.8	94.8
≥ 400		81.3	84.5	87.1	89.7	89.7	92.3	93.6	94.2	94.8	95.5	95.5	97.4	97.4	97.4	97.4
≥ 300		81.3	84.5	87.1	89.7	89.7	93.6	94.8	95.5	96.1	96.8	96.8	98.7	98.7	98.7	98.7
≥ 200		81.3	84.5	87.1	90.3	90.3	94.2	95.5	96.1	96.8	97.4	97.4	99.4	99.4	99.4	100.0
≥ 100		81.3	84.5	87.1	90.3	90.3	94.2	95.5	96.1	96.8	97.4	97.4	99.4	99.4	99.4	100.0
0		81.3	84.5	87.1	90.3	90.3	94.2	95.5	96.1	96.8	97.4	97.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	51.0	52.9	52.9	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	1.3	54.8	56.8	56.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7
≥ 18000	1.3	54.8	56.8	56.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7
≥ 16000	1.3	54.8	56.8	56.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7
≥ 14000	1.3	54.8	56.8	56.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7
≥ 12000	1.3	54.8	56.8	56.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7
≥ 10000	1.3	58.7	60.7	60.7	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.6	62.6	62.6	62.6
≥ 9000	1.3	58.7	60.7	60.7	60.7	61.9	62.6	62.6	62.6	62.6	62.6	62.6	63.2	63.2	63.2	63.2
≥ 8000	1.3	63.2	65.8	65.8	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.4	68.4
≥ 7000	1.3	63.9	66.5	66.5	66.5	67.7	68.4	68.4	68.4	68.4	68.4	68.4	69.0	69.0	69.0	69.0
≥ 6000	1.3	64.5	67.1	67.1	67.1	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.7	69.7	69.7	69.7
≥ 5000	1.3	65.8	68.4	68.4	68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0
≥ 4500	1.3	66.5	69.0	69.0	69.0	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6	71.6	71.6
≥ 4000	1.3	69.0	71.6	72.3	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8
≥ 3500	1.3	69.7	72.3	72.9	72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5
≥ 3000	1.3	72.3	74.8	75.5	75.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1
≥ 2500	1.3	74.2	76.8	77.4	77.4	78.7	79.4	79.4	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0
≥ 2000	1.3	74.8	77.4	78.1	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 1800	1.3	74.8	77.4	78.1	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 1500	1.3	75.5	78.7	79.4	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6
≥ 1200	1.3	76.1	80.0	80.7	81.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9
≥ 1000	1.3	76.1	80.0	80.7	81.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9
≥ 900	1.3	76.1	80.0	80.7	81.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9
≥ 800	1.3	76.8	81.3	82.6	83.2	84.5	85.8	86.5	86.5	86.5	86.5	86.5	87.7	87.7	87.7	87.7
≥ 700	1.3	76.8	81.3	83.2	84.5	85.8	87.1	87.7	87.7	87.7	87.7	87.7	89.0	89.0	89.0	89.0
≥ 600	1.3	76.8	81.3	83.2	85.2	86.5	87.7	88.4	88.4	88.4	88.4	88.4	89.7	89.7	89.7	89.7
≥ 500	1.3	77.4	81.9	83.9	86.5	87.7	89.0	89.7	89.7	90.3	90.3	90.3	92.3	92.3	92.9	92.9
≥ 400	1.3	78.1	82.6	85.2	87.7	89.0	90.3	91.0	91.0	91.6	91.6	91.6	93.6	93.6	94.2	94.2
≥ 300	1.3	78.1	82.6	85.2	88.4	90.3	92.3	93.6	93.6	94.8	95.5	95.5	98.7	98.7	99.4	99.4
≥ 200	1.3	78.1	82.6	85.2	88.4	90.3	92.3	93.6	93.6	94.8	95.5	95.5	98.7	98.7	99.4	99.4
≥ 100	1.3	78.1	82.6	85.2	88.4	90.3	92.3	93.6	93.6	94.8	95.5	95.5	98.7	98.7	99.4	99.4
0	1.3	78.1	82.6	85.2	88.4	90.3	92.3	93.6	93.6	94.8	95.5	95.5	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	51.6	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	7.7	57.4	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000	7.7	58.1	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	7.7	58.1	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	7.7	58.1	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000	7.7	59.4	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	7.7	63.9	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000	7.7	63.9	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	7.7	67.1	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 7000	7.7	67.1	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	7.7	67.1	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	7.7	69.7	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	7.7	69.7	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	7.7	71.0	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	7.7	72.3	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	7.7	72.3	74.8	75.5	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	7.7	72.9	75.5	76.1	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	7.7	73.6	76.8	77.4	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	7.7	73.6	76.8	77.4	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500	8.4	74.8	78.7	80.0	80.7	80.7	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200	8.4	74.8	78.7	80.0	80.7	81.3	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1000	8.4	75.5	79.4	80.7	81.3	81.9	83.2	85.2	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5
≥ 900	8.4	75.5	79.4	80.7	81.3	81.9	83.2	85.2	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5
≥ 800	8.4	75.5	79.4	81.3	81.9	82.6	83.9	85.8	86.5	86.5	86.5	86.5	87.7	87.7	87.7	87.7
≥ 700	8.4	76.1	80.0	81.9	82.6	83.2	84.5	86.5	87.1	87.1	87.1	87.1	89.0	89.0	89.0	89.0
≥ 600	8.4	76.1	80.0	81.9	82.6	83.9	85.2	88.4	89.0	89.0	89.0	89.0	91.0	91.0	91.0	91.0
≥ 500	8.4	76.8	80.7	82.6	83.2	84.5	86.5	91.0	91.6	91.6	91.6	91.6	93.6	93.6	93.6	93.6
≥ 400	8.4	76.8	80.7	82.6	83.2	84.5	86.5	91.0	92.3	92.3	92.9	92.9	95.5	95.5	95.5	95.5
≥ 300	8.4	76.8	80.7	82.6	83.2	84.5	86.5	91.6	93.6	94.2	94.8	94.8	98.1	98.1	98.1	98.1
≥ 200	8.4	76.8	80.7	82.6	83.2	84.5	86.5	91.6	93.6	94.2	94.8	94.8	98.1	98.7	98.7	98.7
≥ 100	8.4	76.8	80.7	82.6	83.2	84.5	86.5	91.6	93.6	94.2	94.8	94.8	98.7	100.0	100.0	100.0
0	8.4	76.8	80.7	82.6	83.2	84.5	86.5	91.6	93.6	94.2	94.8	94.8	98.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JAN (MONTH) 13 (HOURS (L S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	11.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	11.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	11.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	11.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	11.0	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	11.6	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000	11.6	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	11.6	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 7000	11.6	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000	11.6	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000	11.6	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	11.6	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	11.6	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	11.6	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	11.6	73.6	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2500	11.6	74.2	76.8	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	12.3	76.8	79.4	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	12.3	76.8	79.4	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	12.3	78.1	81.3	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1200	12.3	78.1	81.3	82.6	82.6	82.6	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	12.3	78.1	81.3	83.2	83.2	83.2	83.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	12.3	78.7	81.9	83.9	83.9	84.5	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	12.3	78.7	81.9	83.9	83.9	84.5	85.8	87.1	87.7	88.4	89.0	89.0	89.0	89.7	89.7	89.7
≥ 700	12.3	78.7	81.9	83.9	83.9	85.2	86.5	88.4	89.0	89.7	91.0	91.0	91.6	92.3	92.3	92.3
≥ 600	12.3	78.7	81.9	83.9	83.9	85.2	86.5	89.0	89.7	90.3	91.6	91.6	92.3	92.9	92.9	92.9
≥ 500	12.3	78.7	81.9	84.5	84.5	85.8	87.1	89.7	90.3	91.0	92.3	92.3	92.9	93.6	93.6	93.6
≥ 400	12.3	78.7	81.9	84.5	84.5	85.8	87.7	90.3	91.0	92.3	94.8	94.8	95.5	96.1	96.1	96.1
≥ 300	12.3	78.7	81.9	84.5	84.5	85.8	88.4	91.0	91.6	93.6	96.8	96.8	97.4	98.1	98.1	98.1
≥ 200	12.3	78.7	81.9	84.5	84.5	85.8	88.4	91.0	91.6	93.6	96.8	96.8	98.7	100.0	100.0	100.0
≥ 100	12.3	78.7	81.9	84.5	84.5	85.8	88.4	91.0	91.6	93.6	96.8	96.8	98.7	100.0	100.0	100.0
0	12.3	78.7	81.9	84.5	84.5	85.8	88.4	91.0	91.6	93.6	96.8	96.8	98.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JAN (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	9.7	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	11.0	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
< 20000 ≥ 18000	11.0	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
< 18000 ≥ 16000	11.0	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
< 16000 ≥ 14000	11.0	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
< 14000 ≥ 12000	11.0	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
< 12000 ≥ 10000	11.6	60.0	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
< 10000 ≥ 9000	11.6	60.7	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
< 9000 ≥ 8000	11.6	63.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
< 8000 ≥ 7000	11.6	65.8	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
< 7000 ≥ 6000	11.6	66.5	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
< 6000 ≥ 5000	11.6	66.5	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
< 5000 ≥ 4500	11.6	66.5	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
< 4500 ≥ 4000	12.3	69.0	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
< 4000 ≥ 3500	12.3	71.0	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
< 3500 ≥ 3000	12.3	73.6	75.5	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
< 3000 ≥ 2500	12.3	76.1	78.1	80.0	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
< 2500 ≥ 2000	12.3	76.1	78.1	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
< 2000 ≥ 1800	12.3	76.1	78.1	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
< 1800 ≥ 1500	12.3	76.8	79.4	81.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
< 1500 ≥ 1200	12.3	76.8	79.4	81.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
< 1200 ≥ 1000	12.3	77.4	80.7	83.2	85.2	85.2	85.8	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
< 1000 ≥ 900	12.3	77.4	80.7	83.2	85.2	85.2	85.8	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
< 900 ≥ 800	12.3	77.4	80.7	83.2	85.8	85.8	86.5	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
< 800 ≥ 700	12.3	77.4	80.7	83.2	85.8	85.8	86.5	90.3	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3
< 700 ≥ 600	12.3	77.4	80.7	83.2	85.8	85.8	86.5	91.0	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9
< 600 ≥ 500	12.3	77.4	81.3	83.9	86.5	87.1	89.0	94.2	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1
< 500 ≥ 400	12.3	77.4	81.3	83.9	86.5	87.1	89.0	94.2	95.5	97.4	98.1	98.1	98.7	98.7	98.7	98.7
< 400 ≥ 300	12.3	77.4	81.3	83.9	86.5	87.1	89.0	94.2	95.5	97.4	98.1	98.1	98.7	98.7	98.7	98.7
< 300 ≥ 200	12.3	77.4	81.3	83.9	86.5	87.1	89.0	94.2	95.5	97.4	98.1	98.7	99.4	99.4	99.4	99.4
< 200 ≥ 100	12.3	77.4	81.3	83.9	86.5	87.1	89.0	94.2	95.5	97.4	98.1	98.7	99.4	99.4	99.4	99.4
< 100 ≥ 0	12.3	77.4	81.3	83.9	86.5	87.1	89.0	94.2	95.5	97.4	98.1	98.7	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH) | 19 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	1.9	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000	1.9	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	1.9	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	1.9	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000	1.9	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	1.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	1.9	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	1.9	67.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 7000	1.9	68.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	1.9	69.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	1.9	71.0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	1.9	72.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	1.9	74.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	1.9	75.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	1.9	78.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	1.9	79.4	81.9	81.9	82.6	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	1.9	80.7	83.9	83.9	84.5	84.5	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	1.9	80.7	84.5	85.2	85.8	85.8	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	1.9	81.3	85.2	85.8	86.5	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	1.9	81.3	85.2	85.8	86.5	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	1.9	81.3	85.2	85.8	86.5	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	1.9	81.3	85.2	85.8	86.5	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	1.9	82.6	86.5	87.1	87.7	87.7	88.4	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	1.9	83.2	87.7	88.4	89.7	89.7	91.0	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	1.9	83.2	87.7	89.0	90.3	90.3	91.6	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	1.9	83.2	87.7	89.0	92.3	92.3	93.6	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	1.9	83.2	87.7	89.0	92.9	93.6	94.8	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	1.9	83.2	87.7	89.0	92.9	93.6	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	1.9	83.2	87.7	89.0	92.9	93.6	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	99.4
≥ 100	1.9	83.2	87.7	89.0	92.9	93.6	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	100.0
0	1.9	83.2	87.7	89.0	92.9	93.6	95.5	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH) | 22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000		64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000		65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000		78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500		79.4	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000		80.7	81.3	81.3	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800		80.7	81.3	81.3	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500		81.9	82.6	82.6	83.2	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1200		81.9	82.6	82.6	83.2	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000		83.2	83.9	83.9	84.5	85.2	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900		83.2	83.9	83.9	84.5	85.2	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800		83.9	85.2	86.5	87.1	87.7	87.7	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700		85.2	86.5	87.7	88.4	89.0	89.0	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600		85.2	87.7	89.0	89.7	90.3	90.3	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500		85.2	87.7	89.0	89.7	90.3	91.0	93.6	94.2	94.2	94.8	94.8	96.1	96.1	96.1	96.1
≥ 400		85.2	88.4	89.7	90.3	91.0	91.6	94.2	94.8	94.8	95.5	95.5	97.4	97.4	97.4	97.4
≥ 300		85.2	88.4	89.7	90.3	91.0	91.6	94.8	95.5	95.5	96.1	96.1	98.7	98.7	98.7	98.7
≥ 200		85.2	88.4	89.7	90.3	91.0	91.6	94.8	95.5	95.5	96.1	96.1	98.7	98.7	98.7	99.4
≥ 100		85.2	88.4	89.7	90.3	91.0	91.6	94.8	95.5	95.5	96.1	96.1	98.7	98.7	99.4	100.0
0		85.2	88.4	89.7	90.3	91.0	91.6	94.8	95.5	95.5	96.1	96.1	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JAN (MONTH) | ALL (HOURS (L S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.9	51.2	51.8	51.9	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	4.1	55.9	56.5	56.7	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2
≥ 18000	4.1	56.0	56.7	56.9	57.0	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	4.1	56.0	56.7	56.9	57.0	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	4.1	56.1	56.8	56.9	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4
≥ 12000	4.1	56.9	57.7	57.8	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3
≥ 10000	4.3	60.2	61.4	61.5	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0
≥ 9000	4.3	60.4	61.5	61.7	61.9	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3
≥ 8000	4.3	64.0	65.3	65.6	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 7000	4.3	64.9	66.3	66.5	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1
≥ 6000	4.3	65.7	67.1	67.4	67.6	67.7	67.8	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0
≥ 5000	4.3	67.0	68.6	69.0	69.1	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.6
≥ 4500	4.3	68.2	69.7	70.1	70.2	70.4	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	4.4	70.3	71.9	72.3	72.5	72.7	72.7	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.0
≥ 3500	4.4	71.9	73.4	73.9	74.0	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5
≥ 3000	4.4	74.0	75.7	76.4	76.5	76.7	76.9	77.1	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.3
≥ 2500	4.4	75.7	77.7	78.4	78.7	78.9	79.1	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5
≥ 2000	4.4	76.9	79.1	80.0	80.3	80.6	80.9	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3
≥ 1800	4.4	77.0	79.3	80.2	80.6	80.8	81.1	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500	4.5	78.2	80.9	81.9	82.6	82.8	83.2	83.5	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7
≥ 1200	4.5	78.4	81.3	82.3	83.0	83.3	83.6	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1000	4.5	78.8	81.9	83.1	83.9	84.2	84.8	85.7	85.8	86.1	86.1	86.1	86.2	86.2	86.2	86.2
≥ 900	4.5	79.0	82.1	83.3	84.1	84.5	85.1	86.1	86.3	86.5	86.5	86.5	86.7	86.7	86.7	86.7
≥ 800	4.5	79.4	82.7	84.4	85.2	85.7	86.4	87.9	88.2	88.6	88.7	88.7	89.1	89.2	89.2	89.2
≥ 700	4.5	79.8	83.3	85.2	86.3	86.8	87.6	89.4	89.8	90.1	90.4	90.4	91.0	91.1	91.1	91.1
≥ 600	4.5	79.9	83.6	85.5	86.8	87.3	88.2	90.2	90.7	91.1	91.4	91.4	91.9	92.0	92.0	92.0
≥ 500	4.5	80.2	84.1	86.2	87.8	88.5	89.8	92.2	92.8	93.4	93.9	93.9	94.8	94.8	94.9	94.9
≥ 400	4.5	80.3	84.3	86.5	88.5	89.2	90.7	93.1	93.8	94.4	95.2	95.2	96.6	96.7	96.9	96.9
≥ 300	4.5	80.3	84.3	86.5	88.6	89.4	91.4	94.0	94.8	95.7	96.6	96.6	98.4	98.5	98.6	98.6
≥ 200	4.5	80.3	84.3	86.5	88.6	89.5	91.5	94.1	94.9	95.8	96.7	96.8	98.7	99.0	99.1	99.4
≥ 100	4.5	80.3	84.3	86.5	88.6	89.5	91.5	94.1	94.9	95.8	96.7	96.8	98.8	99.1	99.4	99.8
0	4.5	80.3	84.3	86.5	88.6	89.5	91.5	94.1	94.9	95.8	96.7	96.8	98.8	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH) | 01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		51.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	53.2	53.2	53.2	53.2
≥ 20000		52.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	55.3	55.3	55.3	55.3
≥ 18000		52.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	55.3	55.3	55.3	55.3
≥ 16000		52.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	55.3	55.3	55.3	55.3
≥ 14000		53.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.0
≥ 12000		53.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.7	56.7	56.7	56.7
≥ 10000		58.9	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.4	62.4	62.4	62.4
≥ 9000		60.3	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.8	63.8	63.8	63.8
≥ 8000		62.4	64.5	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0
≥ 7000		63.8	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4
≥ 6000		63.8	66.7	66.7	67.4	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.8	68.8	68.8	68.8
≥ 5000		67.4	70.2	70.2	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3
≥ 4500		68.1	70.9	70.9	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	73.1	73.1	73.1	73.1
≥ 4000		68.8	71.6	71.6	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.8	73.8	73.8	73.8
≥ 3500		72.3	75.2	75.2	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	77.3	77.3	77.3	77.3
≥ 3000		73.8	76.6	76.6	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7	78.7
≥ 2500		76.6	79.4	79.4	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	81.6	81.6	81.6	81.6
≥ 2000		80.1	83.0	83.0	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	85.1	85.1	85.1	85.1
≥ 1800		80.1	83.7	83.7	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.8	85.8	85.8	85.8
≥ 1500		80.9	85.8	85.8	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.9	87.9	87.9	87.9
≥ 1200		80.9	85.8	85.8	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.9	87.9	87.9	87.9
≥ 1000		80.9	85.8	85.8	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	88.7	88.7	88.7	88.7
≥ 900		80.9	85.8	85.8	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	88.7	88.7	88.7	88.7
≥ 800		80.9	86.5	86.5	87.9	88.7	89.4	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.1	90.1
≥ 700		80.9	86.5	86.5	87.9	88.7	89.4	90.1	90.1	90.1	90.1	90.1	91.5	91.5	91.5	91.5
≥ 600		81.6	87.9	87.9	89.4	90.1	90.8	91.5	91.5	91.5	91.5	91.5	92.9	92.9	92.9	92.9
≥ 500		81.6	87.9	87.9	90.1	90.8	91.5	92.2	92.2	92.2	92.2	92.2	93.6	93.6	93.6	93.6
≥ 400		81.6	87.9	88.7	91.5	92.2	92.9	93.6	93.6	93.6	93.6	93.6	95.0	95.0	95.0	95.0
≥ 300		81.6	87.9	88.7	91.5	92.2	92.9	93.6	93.6	93.6	93.6	93.6	95.0	95.0	95.0	95.0
≥ 200		81.6	87.9	88.7	92.2	92.9	93.6	95.0	95.0	95.0	95.0	95.0	96.5	97.2	97.2	97.2
≥ 100		81.6	87.9	88.7	92.2	92.9	93.6	95.0	95.0	95.0	95.7	95.7	97.2	97.9	99.3	99.3
0		81.6	87.9	88.7	92.2	92.9	93.6	95.0	95.0	95.0	95.7	95.7	97.2	97.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH) | 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		48.2	48.9	48.9	48.9	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000		51.8	53.2	53.2	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 18000		51.8	53.2	53.2	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 16000		51.8	53.2	53.2	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 14000		51.8	53.2	53.2	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 12000		54.6	56.0	56.0	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 10000		58.9	60.3	60.3	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000		58.9	60.3	60.3	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000		63.8	65.3	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000		66.0	67.4	68.1	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 6000		67.4	68.8	69.5	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000		68.8	70.2	70.9	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4500		70.9	72.3	73.1	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000		71.6	73.1	73.8	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500		73.1	74.5	75.2	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000		74.5	75.9	76.6	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500		75.9	77.3	78.0	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000		76.6	78.0	79.4	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1800		76.6	78.0	79.4	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1500		78.0	79.4	81.6	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200		78.0	80.1	82.3	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1000		78.7	80.9	83.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900		78.7	80.9	83.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800		78.7	80.9	84.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 700		78.7	80.9	84.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600		78.7	80.9	84.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 500		80.1	82.3	85.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 400		80.9	83.0	86.5	92.2	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300		80.9	83.0	86.5	92.2	92.9	94.3	95.7	95.7	95.7	95.7	95.7	96.5	96.5	96.5	96.5
≥ 200		80.9	83.0	86.5	92.2	92.9	94.3	95.7	95.7	96.5	96.5	96.5	97.9	97.9	97.9	97.9
≥ 100		80.9	83.0	86.5	92.2	92.9	94.3	95.7	95.7	96.5	96.5	96.5	98.6	98.6	98.6	98.6
0		80.9	83.0	86.5	92.2	92.9	94.3	95.7	95.7	96.5	96.5	96.5	98.6	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

SOCIAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME

73-77 — YEARS

FEB — MONTH

07 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.4	47.5	48.9	49.7	49.7	49.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	2.1	51.1	53.2	54.6	54.6	54.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	2.1	51.1	53.2	54.6	54.6	54.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	2.1	51.1	53.2	54.6	54.6	54.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	2.1	51.1	53.2	54.6	54.6	54.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	2.1	51.8	53.9	55.3	55.3	55.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	2.1	56.0	58.2	59.6	59.6	59.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000	2.1	56.0	58.2	59.6	59.6	59.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000	2.1	58.9	61.0	63.1	63.1	63.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	2.1	61.0	63.8	66.0	66.0	66.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	2.1	61.7	64.5	66.7	66.7	66.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000	2.1	63.1	66.0	68.1	68.1	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4500	2.1	63.1	66.0	68.1	68.1	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000	2.1	64.5	67.4	69.5	69.5	69.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3500	2.1	68.8	71.6	73.8	73.8	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	2.1	69.5	73.1	75.2	75.2	75.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	2.1	73.8	77.3	79.4	79.4	80.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2000	2.1	75.2	78.7	80.9	80.9	81.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	2.1	75.2	78.7	80.9	80.9	81.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	2.1	76.6	80.1	82.3	82.3	83.0	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	2.1	76.6	80.1	82.3	82.3	83.0	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000	2.1	76.6	80.1	82.3	83.0	83.7	85.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	2.1	76.6	80.1	83.0	83.7	84.4	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	2.1	76.6	80.1	83.0	84.4	85.1	86.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 700	2.1	76.6	80.1	83.0	84.4	85.1	86.5	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 600	2.1	76.6	80.1	83.0	84.4	85.1	86.5	87.9	87.9	88.7	89.4	89.4	89.4	89.4	89.4	89.4
≥ 500	2.1	76.6	80.1	84.4	86.5	87.2	88.7	90.8	90.8	92.2	92.9	93.6	93.6	93.6	93.6	93.6
≥ 400	2.1	76.6	80.9	85.1	87.2	87.9	89.4	91.5	91.5	92.9	93.6	94.3	94.3	94.3	94.3	94.3
≥ 300	2.1	76.6	80.9	85.1	87.2	87.9	89.4	91.5	91.5	93.6	94.3	95.0	95.0	95.0	95.7	95.7
≥ 200	2.1	76.6	80.9	85.1	87.2	87.9	89.4	91.5	91.5	93.6	94.3	95.7	96.5	96.5	97.2	97.2
≥ 100	2.1	76.6	80.9	85.1	87.2	87.9	90.1	92.2	92.2	94.3	95.0	96.5	97.9	97.9	99.3	100.0
0	2.1	76.6	80.9	85.1	87.2	87.9	90.1	92.2	92.2	94.3	95.0	96.5	97.9	97.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) FEB (MONTH) 10 (HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.8	44.7	44.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	2.8	50.4	50.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 18000	2.8	50.4	50.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 16000	2.8	50.4	50.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 14000	2.8	50.4	50.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	2.8	51.1	51.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 10000	2.8	56.0	56.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	2.8	56.7	56.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 8000	4.3	59.6	59.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 7000	4.3	61.0	61.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 6000	4.3	61.7	61.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 5000	4.3	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	4.3	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	4.3	68.8	68.8	70.2	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	5.0	70.9	70.9	72.3	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3000	5.0	71.6	71.6	73.1	73.8	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 2500	5.0	73.1	73.8	75.2	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	5.0	73.8	74.5	75.9	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	5.0	73.8	74.5	75.9	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	5.0	73.8	74.5	76.6	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1200	5.0	73.8	74.5	76.6	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1000	5.0	73.8	74.5	76.6	80.9	81.6	82.3	83.0	83.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	5.0	73.8	74.5	76.6	80.9	81.6	82.3	83.0	83.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 800	5.0	74.5	75.2	77.3	81.6	82.3	83.0	83.7	83.7	86.5	87.2	87.2	87.2	87.2	87.2	87.2
≥ 700	5.0	74.5	75.2	77.3	81.6	82.3	83.0	84.4	84.4	87.9	88.7	88.7	89.4	89.4	89.4	89.4
≥ 600	5.0	74.5	75.2	77.3	81.6	82.3	83.7	85.8	85.8	89.4	90.1	90.1	90.8	90.8	90.8	90.8
≥ 500	5.0	74.5	75.2	78.0	83.0	83.7	85.1	87.2	87.2	90.8	92.2	92.2	92.9	92.9	92.9	92.9
≥ 400	5.0	74.5	75.2	78.0	83.0	83.7	85.1	87.2	87.2	91.5	92.9	92.9	93.6	93.6	93.6	93.6
≥ 300	5.0	74.5	75.2	78.0	83.0	83.7	85.1	87.2	87.2	92.2	94.3	94.3	95.7	95.7	96.5	96.5
≥ 200	5.0	74.5	75.2	78.0	83.0	83.7	85.1	87.2	87.2	92.2	94.3	94.3	95.7	97.2	97.9	97.9
≥ 100	5.0	74.5	75.2	78.0	83.0	83.7	85.1	87.2	87.2	92.2	94.3	94.3	95.7	97.2	98.6	98.6
0	5.0	74.5	75.2	78.0	83.0	83.7	85.1	87.2	87.2	92.2	94.3	94.3	95.7	97.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.8	44.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	2.8	49.7	51.1	51.1	51.1	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 18000	2.8	49.7	51.1	51.1	51.1	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 16000	2.8	49.7	51.1	51.1	51.1	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 14000	2.8	49.7	51.1	51.1	51.1	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	2.8	51.1	52.5	52.5	52.5	52.5	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	3.6	53.2	54.6	54.6	54.6	54.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	3.6	53.2	54.6	54.6	54.6	54.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 8000	3.6	58.2	59.6	59.6	59.6	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000	3.6	58.9	60.3	60.3	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 6000	3.6	58.9	60.3	60.3	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 5000	3.6	60.3	61.7	61.7	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 4500	3.6	61.0	62.4	62.4	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4000	3.6	63.8	65.3	65.3	66.0	66.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3500	4.3	68.1	69.5	69.5	70.2	70.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	4.3	70.9	72.3	72.3	73.1	73.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 2500	4.3	72.3	73.8	73.8	74.5	74.5	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	4.3	74.5	76.6	76.6	78.0	78.0	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1800	4.3	74.5	76.6	76.6	78.0	78.0	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1500	4.3	74.5	77.3	77.3	78.7	78.7	80.9	81.6	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	4.3	74.5	77.3	77.3	79.4	79.4	81.6	82.3	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1000	4.3	74.5	77.3	77.3	79.4	79.4	81.6	82.3	83.0	83.7	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	4.3	74.5	77.3	78.0	80.1	80.1	82.3	83.0	83.7	84.4	85.1	85.1	85.1	85.1	85.1	85.1
≥ 800	4.3	74.5	78.7	79.4	82.3	82.3	84.4	85.1	85.8	87.2	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	4.3	74.5	78.7	79.4	83.0	83.0	85.1	85.8	86.5	87.9	89.4	89.4	89.4	89.4	89.4	89.4
≥ 600	4.3	74.5	78.7	79.4	84.4	84.4	86.5	87.9	88.7	90.1	91.5	91.5	92.2	92.2	92.2	92.2
≥ 500	4.3	74.5	79.4	80.1	85.1	85.1	87.2	88.7	90.1	91.5	92.9	92.9	93.6	93.6	93.6	93.6
≥ 400	4.3	74.5	79.4	80.1	85.8	85.8	87.9	89.4	90.8	92.2	95.0	95.7	97.2	97.2	97.2	97.2
≥ 300	4.3	74.5	79.4	80.1	85.8	85.8	87.9	89.4	90.8	92.2	95.7	96.5	97.9	97.9	97.9	97.9
≥ 200	4.3	74.5	79.4	80.1	85.8	85.8	87.9	89.4	90.8	92.2	95.7	96.5	97.9	98.6	98.6	99.3
≥ 100	4.3	74.5	79.4	80.1	85.8	85.8	87.9	89.4	90.8	92.2	95.7	96.5	97.9	99.3	99.3	100.0
≥ 0	4.3	74.5	79.4	80.1	85.8	85.8	87.9	89.4	90.8	92.2	95.7	96.5	97.9	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.3	48.9	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	4.3	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000	4.3	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 16000	4.3	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	4.3	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	4.3	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	4.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000	4.3	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000	4.3	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	4.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 6000	4.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 5000	4.3	67.4	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4500	4.3	67.4	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4000	4.3	68.1	68.8	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3500	4.3	70.9	71.6	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3000	4.3	73.1	73.8	74.5	75.2	75.2	75.2	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2500	5.0	75.2	75.9	77.3	78.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	5.0	78.0	78.7	80.1	80.9	80.9	80.9	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	5.0	78.0	78.7	80.1	80.9	80.9	80.9	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1500	5.0	79.4	80.1	83.7	84.4	84.4	84.4	84.4	84.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	5.0	79.4	80.1	83.7	84.4	84.4	84.4	84.4	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	5.0	79.4	80.9	85.1	85.8	85.8	85.8	86.5	87.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	5.0	79.4	80.9	85.1	85.8	85.8	85.8	86.5	87.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	5.0	79.4	80.9	85.8	86.5	86.5	86.5	87.2	87.9	90.1	90.1	90.1	90.8	90.8	90.8	90.8
≥ 700	5.0	79.4	80.9	86.5	87.2	87.2	87.2	88.7	89.4	91.5	91.5	91.5	92.2	92.2	92.2	92.2
≥ 600	5.0	79.4	80.9	86.5	87.2	87.2	87.2	88.7	89.4	91.5	91.5	92.2	93.6	93.6	93.6	93.6
≥ 500	5.0	79.4	80.9	87.2	87.9	87.9	87.9	89.4	90.1	92.2	92.2	92.9	94.3	94.3	94.3	94.3
≥ 400	5.0	79.4	80.9	87.2	87.9	87.9	87.9	89.4	90.8	92.9	93.6	95.0	96.5	96.5	96.5	96.5
≥ 300	5.0	79.4	80.9	87.2	87.9	87.9	87.9	89.4	90.8	92.9	93.6	95.0	97.2	97.2	97.2	97.2
≥ 200	5.0	79.4	80.9	87.9	88.7	88.7	88.7	90.1	91.5	93.6	94.3	95.7	97.9	97.9	97.9	99.3
≥ 100	5.0	79.4	80.9	87.9	88.7	88.7	88.7	90.1	91.5	93.6	94.3	95.7	97.9	97.9	97.9	99.3
0	5.0	79.4	80.9	87.9	88.7	88.7	88.7	90.1	91.5	93.6	94.3	95.7	97.9	97.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) FEB (MONTH) 19 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	56.0	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	1.4	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	1.4	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	1.4	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	1.4	60.3	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	1.4	61.0	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 10000	1.4	61.7	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 9000	1.4	64.5	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	1.4	66.0	67.4	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 7000	1.4	66.7	68.1	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 6000	1.4	67.4	69.5	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 5000	1.4	68.1	70.2	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4500	1.4	68.8	70.9	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	1.4	70.9	73.1	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3500	1.4	72.3	74.5	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3000	1.4	73.8	76.6	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	1.4	74.5	77.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	1.4	78.0	81.6	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	1.4	78.0	81.6	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	1.4	78.0	82.3	83.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1200	1.4	78.7	83.0	83.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000	1.4	79.4	84.4	85.1	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900	1.4	79.4	84.4	85.1	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 800	1.4	80.1	85.8	86.5	89.4	90.1	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	1.4	80.9	86.5	87.2	90.1	90.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 600	1.4	80.9	86.5	87.9	90.8	91.5	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	1.4	80.9	86.5	88.7	91.5	92.2	92.9	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 400	1.4	80.9	86.5	88.7	91.5	92.2	92.9	95.0	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300	1.4	80.9	86.5	88.7	91.5	92.2	92.9	95.0	95.0	97.2	97.2	97.2	97.9	97.9	97.9	97.9
≥ 200	1.4	80.9	86.5	88.7	91.5	92.2	92.9	95.0	95.0	97.9	97.9	97.9	98.6	98.6	98.6	98.6
≥ 100	1.4	80.9	86.5	88.7	91.5	92.2	92.9	95.0	95.0	97.9	97.9	97.9	98.6	98.6	99.3	99.3
≥ 0	1.4	80.9	86.5	88.7	91.5	92.2	92.9	95.0	95.0	97.9	97.9	97.9	98.6	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH) | 22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.5
≥ 20000	.7	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.5
≥ 18000	.7	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.5
≥ 16000	.7	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.5
≥ 14000	.7	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.5
≥ 12000	.7	58.2	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.6
≥ 10000	.7	60.3	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.7
≥ 9000	.7	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.8
≥ 8000	.7	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.5
≥ 7000	.7	63.8	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.3
≥ 6000	.7	63.8	63.8	64.5	64.5	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	66.0
≥ 5000	.7	66.0	66.0	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	68.1
≥ 4500	.7	67.4	67.4	68.1	68.1	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.5
≥ 4000	.7	72.3	72.3	73.1	73.1	73.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	75.2
≥ 3500	.7	73.8	73.8	75.2	75.2	75.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78.0
≥ 3000	.7	74.5	74.5	75.9	75.9	75.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7
≥ 2500	.7	75.9	75.9	77.3	77.3	77.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.1
≥ 2000	.7	77.3	77.3	78.7	79.4	79.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.3
≥ 1800	.7	78.7	78.7	80.1	80.9	80.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.7
≥ 1500	.7	80.1	80.9	82.3	83.0	83.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.8
≥ 1200	.7	80.9	81.6	83.0	84.4	84.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.2
≥ 1000	.7	81.6	83.0	85.1	86.5	86.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.4
≥ 900	.7	81.6	83.0	85.1	86.5	86.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.1
≥ 800	.7	82.3	83.7	85.8	87.2	87.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.5
≥ 700	.7	82.3	83.7	86.5	87.9	87.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	92.2
≥ 600	.7	82.3	84.4	87.2	88.7	88.7	92.2	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	94.3
≥ 500	.7	82.3	84.4	87.9	89.4	89.4	92.9	93.6	93.6	95.0	95.0	95.0	95.0	95.0	95.0	95.7
≥ 400	.7	82.3	85.1	88.7	90.1	90.1	93.6	94.3	94.3	95.7	95.7	95.7	95.7	95.7	95.7	96.5
≥ 300	.7	82.3	85.1	88.7	90.1	90.1	94.3	95.7	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.9
≥ 200	.7	82.3	85.1	88.7	90.1	90.1	94.3	95.7	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.9
≥ 100	.7	82.3	85.1	88.7	90.1	90.1	94.3	96.5	96.5	97.9	97.9	97.9	97.9	97.9	98.6	100.0
0	.7	82.3	85.1	88.7	90.1	90.1	94.3	96.5	96.5	97.9	97.9	97.9	97.9	97.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | FEB (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.6	49.1	49.8	50.1	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.6
≥ 20000	1.8	53.6	54.5	55.0	55.1	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.7
≥ 18000	1.8	53.6	54.5	55.0	55.1	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.7
≥ 16000	1.8	53.6	54.5	55.0	55.1	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.7
≥ 14000	1.8	53.6	54.6	55.1	55.2	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.8
≥ 12000	1.8	55.0	55.9	56.4	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.1
≥ 10000	1.9	58.2	59.2	59.7	59.9	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.5
≥ 9000	1.9	59.1	60.2	60.6	60.9	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4
≥ 8000	2.0	62.0	63.1	63.7	64.0	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5
≥ 7000	2.0	63.3	64.5	65.3	65.6	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1
≥ 6000	2.0	63.7	65.2	65.9	66.3	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	67.0
≥ 5000	2.0	65.8	67.2	68.0	68.6	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3
≥ 4500	2.0	66.5	67.9	68.7	69.3	69.4	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0
≥ 4000	2.0	68.6	70.0	70.8	71.6	71.7	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.6
≥ 3500	2.2	71.3	72.7	73.6	74.5	74.6	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5
≥ 3000	2.2	72.7	74.3	75.2	76.1	76.2	77.0	77.0	77.0	77.1	77.1	77.1	77.2	77.2	77.2	77.3
≥ 2500	2.3	74.7	76.3	77.3	78.3	78.5	79.3	79.3	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.7
≥ 2000	2.3	76.7	78.6	79.6	81.0	81.2	82.1	82.1	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.5
≥ 1800	2.3	76.9	78.8	79.9	81.3	81.5	82.4	82.4	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.7
≥ 1500	2.3	77.7	80.1	81.6	83.2	83.3	84.2	84.4	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.9
≥ 1200	2.3	77.8	80.3	81.8	83.6	83.8	84.7	84.8	85.0	85.3	85.3	85.3	85.4	85.4	85.4	85.5
≥ 1000	2.3	78.1	80.9	82.6	84.8	85.2	86.1	86.4	86.6	87.1	87.2	87.2	87.2	87.2	87.2	87.3
≥ 900	2.3	78.1	80.9	82.8	85.0	85.4	86.4	86.7	86.9	87.3	87.4	87.4	87.5	87.5	87.5	87.6
≥ 800	2.3	78.4	81.5	83.6	86.1	86.5	87.7	88.2	88.4	89.2	89.5	89.5	89.6	89.6	89.6	89.7
≥ 700	2.3	78.5	81.6	83.9	86.4	86.9	88.0	88.8	89.0	90.0	90.3	90.3	90.6	90.6	90.6	90.7
≥ 600	2.3	78.6	81.8	84.2	87.0	87.4	88.7	89.8	90.0	91.1	91.4	91.5	92.0	92.0	92.0	92.1
≥ 500	2.3	78.7	82.1	85.0	88.1	88.6	89.8	91.1	91.3	92.6	93.1	93.3	93.8	93.8	93.8	93.9
≥ 400	2.3	78.8	82.4	85.4	88.7	89.1	90.3	91.8	92.1	93.6	94.3	94.7	95.3	95.3	95.3	95.4
≥ 300	2.3	78.8	82.4	85.4	88.7	89.1	90.6	92.2	92.6	94.3	95.2	95.6	96.5	96.5	96.7	96.8
≥ 200	2.3	78.8	82.4	85.5	88.8	89.3	90.8	92.5	92.8	94.8	95.7	96.1	97.3	97.6	97.8	98.1
≥ 100	2.3	78.8	82.4	85.5	88.8	89.3	90.9	92.6	93.0	95.0	95.9	96.4	97.7	98.1	98.9	99.4
≥ 0	2.3	78.8	82.4	85.5	88.8	89.3	90.9	92.6	93.0	95.0	95.9	96.4	97.7	98.1	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1128

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	49.7	49.7	49.7	49.7	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	.7	54.2	54.8	54.8	54.8	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	.7	54.2	54.8	54.8	54.8	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	.7	54.2	54.8	54.8	54.8	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	.7	54.2	54.8	54.8	54.8	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	.7	54.2	54.8	54.8	54.8	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	.7	56.1	56.8	56.8	56.8	56.8	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	.7	56.8	57.4	57.4	57.4	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	.7	58.7	59.4	59.4	59.4	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	.7	58.7	59.4	59.4	59.4	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	.7	59.4	60.0	60.0	60.7	60.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	.7	61.9	62.6	62.6	63.2	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	.7	63.9	64.5	64.5	65.2	65.2	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	.7	66.5	67.7	67.7	68.4	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	.7	68.4	69.7	69.7	70.3	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	.7	71.0	72.3	72.3	72.9	72.9	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	.7	71.6	73.6	73.6	74.2	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	.7	72.3	74.8	74.8	75.5	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800	.7	72.3	74.8	74.8	75.5	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1500	.7	73.6	76.8	76.8	77.4	77.4	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1200	.7	73.6	76.8	76.8	78.1	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1000	.7	74.8	78.1	78.1	80.0	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 900	.7	74.8	78.1	78.1	80.0	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 800	.7	75.5	78.7	78.7	80.7	80.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 700	.7	75.5	79.4	80.0	81.9	81.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 600	.7	76.1	80.0	80.7	83.2	83.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 500	.7	76.8	80.7	81.9	84.5	85.2	87.1	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 400	.7	77.4	81.3	82.6	85.2	85.8	88.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 300	.7	77.4	81.3	83.2	85.8	86.5	90.3	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 200	.7	77.4	81.3	83.2	86.5	87.1	91.0	92.9	92.9	94.8	94.8	94.8	95.5	95.5	96.1	96.8
≥ 100	.7	77.4	81.3	83.2	86.5	87.1	91.0	92.9	92.9	95.5	95.5	95.5	96.8	96.8	98.7	99.4
0	.7	77.4	81.3	83.2	86.5	87.1	91.0	92.9	92.9	95.5	95.5	95.5	96.8	96.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) MAR (MONTH) 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	49.0	49.0	49.0	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	.7	52.9	53.6	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 18000	.7	52.9	53.6	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 16000	.7	52.9	53.6	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	.7	52.9	53.6	54.2	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	.7	53.6	54.2	54.8	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	.7	54.8	55.5	56.1	56.8	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	.7	55.5	56.1	56.8	57.4	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	.7	58.7	59.4	60.0	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	.7	60.7	61.3	61.9	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	.7	61.3	61.9	62.6	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	.7	64.5	65.2	66.5	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	.7	65.8	66.5	67.7	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	.7	67.1	68.4	69.7	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	.7	68.4	69.7	71.0	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	.7	69.0	70.3	71.6	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	.7	69.7	71.0	72.9	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	.7	71.0	73.6	76.1	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1800	.7	71.0	73.6	76.1	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1500	.7	72.3	75.5	78.1	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1200	.7	72.9	76.8	79.4	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1000	.7	74.2	78.1	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 900	.7	74.2	78.1	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 800	.7	76.8	80.7	83.2	83.9	83.9	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 700	.7	76.8	80.7	83.2	83.9	83.9	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 600	.7	76.8	81.3	84.5	85.8	85.8	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 500	.7	76.8	82.6	85.8	87.7	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.7	89.7	89.7	89.7
≥ 400	.7	77.4	83.2	86.5	88.4	89.0	89.0	90.3	90.3	90.3	90.3	90.3	91.6	91.6	91.6	91.6
≥ 300	.7	77.4	83.9	87.1	90.3	91.0	92.3	93.6	93.6	93.6	93.6	93.6	94.8	94.8	94.8	94.8
≥ 200	.7	77.4	83.9	87.1	91.6	92.3	93.6	94.8	94.8	94.8	94.8	94.8	96.8	96.8	96.8	96.8
≥ 100	.7	77.4	83.9	87.1	91.6	92.3	93.6	94.8	94.8	94.8	95.5	95.5	97.4	97.4	98.7	99.4
≥ 0	.7	77.4	83.9	87.1	91.6	92.3	93.6	94.8	94.8	94.8	95.5	95.5	97.4	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH) | 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	41.9	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	1.9	46.5	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	1.9	46.5	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	1.9	46.5	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	1.9	46.5	49.0	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000	1.9	47.1	49.7	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	1.9	54.2	56.8	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	1.9	54.2	56.8	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	1.9	56.1	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	1.9	57.4	60.0	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000	1.9	58.1	61.3	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 5000	1.9	59.4	62.6	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	1.9	61.9	65.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	1.9	64.5	67.7	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	1.9	65.2	68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000	1.9	66.5	69.7	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	1.9	67.1	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2000	1.9	69.0	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800	1.9	69.0	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1500	1.9	71.0	74.2	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4
≥ 1200	1.9	71.6	74.8	76.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1
≥ 1000	1.9	72.9	76.1	78.1	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	80.7	80.7	80.7	80.7
≥ 900	1.9	73.6	76.8	78.7	79.4	79.4	79.4	79.4	79.4	80.0	80.0	80.0	81.3	81.3	81.3	81.3
≥ 800	1.9	73.6	76.8	78.7	79.4	79.4	80.0	80.0	80.0	80.7	80.7	80.7	81.9	81.9	81.9	81.9
≥ 700	1.9	73.6	76.8	78.7	80.7	80.7	81.3	81.3	81.3	82.6	82.6	82.6	83.9	83.9	83.9	83.9
≥ 600	1.9	74.8	78.1	80.7	83.9	83.9	84.5	84.5	85.2	86.5	86.5	86.5	87.7	87.7	87.7	87.7
≥ 500	1.9	74.8	78.1	80.7	84.5	84.5	85.2	85.8	86.5	88.4	88.4	88.4	89.7	89.7	89.7	89.7
≥ 400	1.9	75.5	79.4	81.9	85.8	86.5	87.1	87.7	88.4	90.3	91.0	91.0	92.3	92.3	92.3	92.3
≥ 300	1.9	75.5	79.4	81.9	85.8	86.5	87.1	87.7	89.0	91.0	91.6	91.6	92.9	92.9	92.9	92.9
≥ 200	1.9	75.5	79.4	81.9	85.8	86.5	87.1	87.7	89.0	93.6	95.5	95.5	96.8	96.8	97.4	97.4
≥ 100	1.9	75.5	79.4	81.9	85.8	86.5	87.1	87.7	89.0	94.2	96.1	96.1	97.4	97.4	98.7	99.4
0	1.9	75.5	79.4	81.9	85.8	86.5	87.1	87.7	89.0	94.2	96.1	96.1	97.4	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.9	38.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	3.9	46.5	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	3.9	46.5	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	3.9	46.5	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	3.9	46.5	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	3.9	47.1	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	3.9	52.9	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 9000	3.9	53.6	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	3.9	54.2	56.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 7000	3.9	55.5	57.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000	3.9	56.1	58.1	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000	3.9	57.4	59.4	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4500	3.9	58.7	60.7	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4000	3.9	62.6	64.5	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3500	4.5	63.9	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	5.2	66.5	69.0	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	5.2	70.3	72.9	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	5.2	73.6	76.1	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	5.2	74.8	77.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	5.2	74.8	77.4	79.4	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1200	5.2	75.5	78.7	81.3	82.6	82.6	82.6	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1000	5.2	76.1	79.4	82.6	84.5	85.2	85.2	85.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	5.2	76.1	79.4	82.6	84.5	85.2	85.2	85.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	5.2	76.1	79.4	82.6	84.5	85.2	85.8	86.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	5.2	76.1	79.4	83.2	85.2	85.8	86.5	87.1	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 600	5.2	76.1	79.4	83.9	85.8	86.5	87.7	88.4	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7
≥ 500	5.2	76.8	80.0	84.5	86.5	87.1	90.3	91.0	91.6	91.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400	5.2	76.8	80.0	84.5	86.5	87.1	91.0	92.9	93.6	94.2	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	5.2	76.8	80.0	84.5	86.5	87.1	91.0	92.9	93.6	94.8	97.4	97.4	97.4	98.1	98.1	98.1
≥ 200	5.2	76.8	80.0	84.5	86.5	87.1	91.0	92.9	93.6	94.8	97.4	97.4	98.1	98.7	98.7	98.7
≥ 100	5.2	76.8	80.0	84.5	86.5	87.1	91.0	93.6	94.2	95.5	98.1	98.1	98.7	99.4	100.0	100.0
0	5.2	76.8	80.0	84.5	86.5	87.1	91.0	93.6	94.2	95.5	98.1	98.1	98.7	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH) | 13 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	6.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	6.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000	6.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000	6.5	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000	6.5	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000	6.5	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 9000	6.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 8000	6.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 7000	6.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 6000	6.5	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 5000	6.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4500	6.5	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4000	6.5	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3500	6.5	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3000	6.5	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	6.5	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	6.5	74.2	74.8	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800	6.5	74.8	75.5	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1500	6.5	76.8	79.4	81.3	81.9	81.9	83.2	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1200	6.5	76.8	80.7	83.2	83.9	83.9	85.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	6.5	77.4	81.9	84.5	85.8	85.8	87.1	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	6.5	77.4	81.9	84.5	85.8	85.8	87.1	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800	6.5	78.7	83.2	85.8	87.1	87.1	88.4	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 700	6.5	78.7	83.9	86.5	87.7	87.7	89.0	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	6.5	78.7	83.9	87.1	88.4	88.4	89.7	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	6.5	78.7	84.5	87.7	89.0	89.0	90.3	92.9	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	6.5	78.7	84.5	87.7	89.0	89.0	90.3	93.6	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	6.5	78.7	84.5	87.7	89.0	89.0	90.3	93.6	94.2	97.4	97.4	97.4	98.1	98.1	98.1	98.1
≥ 200	6.5	78.7	84.5	87.7	89.0	89.0	90.3	93.6	94.2	97.4	97.4	97.4	98.1	98.1	98.1	98.1
≥ 100	6.5	78.7	84.5	87.7	89.0	89.0	90.3	93.6	94.2	97.4	97.4	98.1	98.7	98.7	100.0	100.0
0	6.5	78.7	84.5	87.7	89.0	89.0	90.3	93.6	94.2	97.4	97.4	98.1	98.7	98.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) MAR (MONTH) 16 (HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.5	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	5.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	5.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 16000	5.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 14000	5.2	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 12000	5.2	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000	5.8	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000	5.8	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 8000	5.8	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	5.8	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 6000	5.8	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 5000	5.8	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	5.8	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000	6.5	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3500	7.1	68.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000	7.1	74.2	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	7.1	76.8	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	7.1	78.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	7.1	78.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	7.1	80.0	83.2	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1200	7.1	80.0	83.9	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	7.1	80.7	85.8	85.8	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	7.1	80.7	85.8	85.8	88.4	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	7.1	80.7	85.8	86.5	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	7.1	81.3	87.1	87.7	90.3	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	7.1	81.3	87.1	87.7	91.0	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	7.1	81.3	87.1	87.7	92.3	93.6	93.6	93.6	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	7.1	81.3	87.1	87.7	92.3	93.6	94.2	94.2	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	7.1	81.3	87.1	87.7	92.3	93.6	94.2	94.2	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	7.1	81.3	87.1	87.7	92.3	93.6	94.2	94.8	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	7.1	81.3	87.1	87.7	92.3	93.6	94.2	94.8	96.8	97.4	98.1	98.1	98.1	98.1	99.4	100.0
≥ 0	7.1	81.3	87.1	87.7	92.3	93.6	94.2	94.8	96.8	97.4	98.1	98.1	98.1	98.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH) | 19 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	45.8	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	1.9	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	1.9	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	1.9	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	1.9	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	1.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	1.9	56.8	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	1.9	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	1.9	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 7000	1.9	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 6000	1.9	58.7	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	1.9	61.3	61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500	1.9	62.6	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4000	1.9	64.5	65.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	1.9	65.8	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	1.9	68.4	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	1.9	71.6	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	1.9	74.2	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	1.9	74.2	77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	1.9	74.8	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	1.9	74.8	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1000	1.9	76.1	80.7	83.2	83.9	83.9	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 900	1.9	76.1	80.7	83.2	83.9	83.9	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	1.9	76.1	81.3	84.5	85.8	85.8	87.1	87.1	87.1	87.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	1.9	76.1	81.3	84.5	85.8	85.8	87.7	87.7	87.7	88.4	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	1.9	76.8	82.6	85.8	88.4	88.4	90.3	90.3	90.3	91.0	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	1.9	76.8	82.6	85.8	89.0	89.7	91.6	91.6	91.6	92.9	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	1.9	76.8	82.6	85.8	89.0	89.7	91.6	91.6	91.6	92.9	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300	1.9	76.8	82.6	85.8	89.7	90.3	92.3	92.3	92.9	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	1.9	76.8	82.6	85.8	89.7	91.0	93.6	93.6	94.2	96.1	97.4	97.4	98.1	98.1	98.1	98.1
≥ 100	1.9	76.8	82.6	85.8	89.7	91.0	93.6	93.6	94.2	96.1	97.4	97.4	99.4	99.4	99.4	99.4
≥ 0	1.9	76.8	82.6	85.8	89.7	91.0	93.6	93.6	94.2	96.1	97.4	97.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

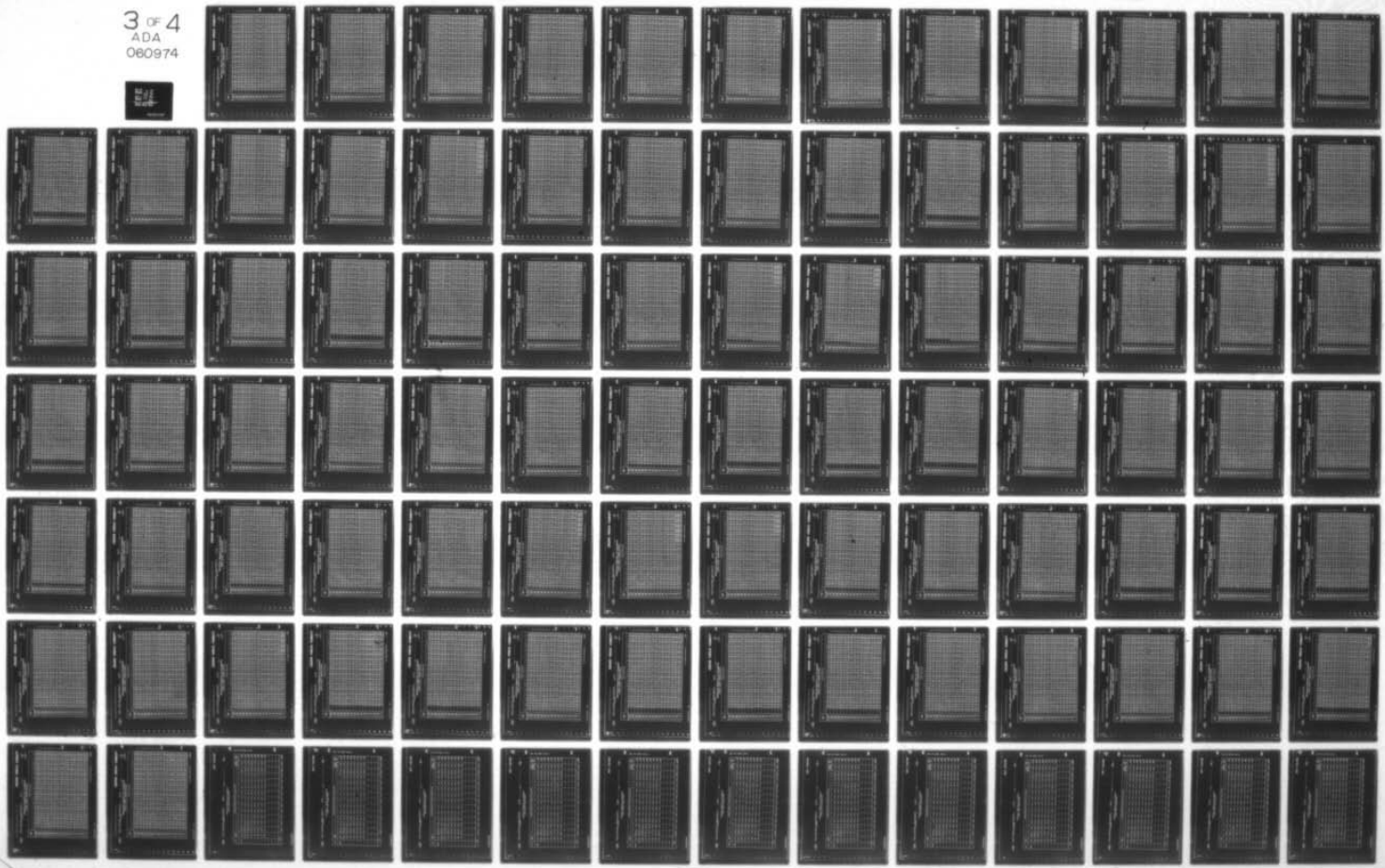
DIRNAVOCEANMET SMOS

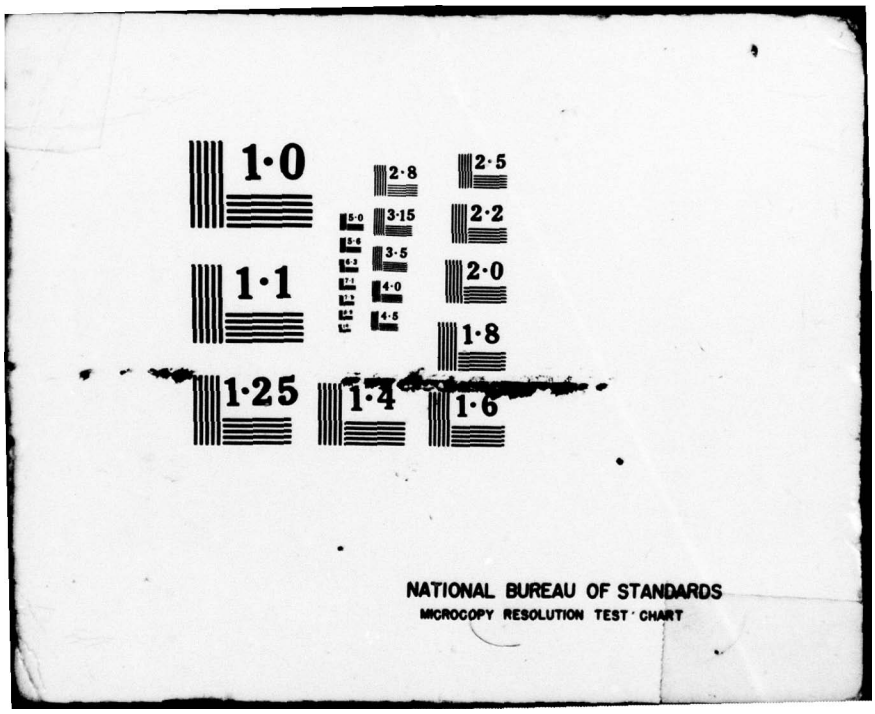
5703 CEILING VERSUS VISIBILITY JAN 78

AD-A060 974 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) SOUTH WE--ETC(U)
JUL 78

UNCLASSIFIED NL

3 OF 4
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NATIONAL BUREAU OF STANDARDS
MICROCOPY RESOLUTION TEST CHART

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	.7	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	.7	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	.7	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	.7	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	.7	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	.7	58.1	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	.7	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	.7	61.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	.7	61.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	.7	61.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	.7	63.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	.7	64.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	.7	67.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	.7	68.4	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	.7	70.3	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	.7	71.6	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	.7	72.3	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	.7	72.3	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	.7	74.2	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	.7	74.8	80.7	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1000	.7	74.8	81.3	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 900	.7	75.5	81.9	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 800	.7	76.8	83.2	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	.7	76.8	83.2	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5
≥ 600	.7	77.4	83.9	85.2	85.8	86.5	87.1	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4
≥ 500	.7	77.4	84.5	87.1	87.7	88.4	89.7	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0
≥ 400	.7	77.4	84.5	87.1	87.7	88.4	90.3	91.0	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3
≥ 300	.7	77.4	84.5	87.1	87.7	88.4	90.3	91.6	92.3	92.3	92.9	92.9	93.6	93.6	93.6	93.6
≥ 200	.7	77.4	84.5	87.1	87.7	88.4	90.3	92.3	92.9	92.9	93.6	93.6	94.2	94.2	94.8	94.8
≥ 100	.7	77.4	84.5	87.1	87.7	88.4	90.3	92.3	92.9	92.9	93.6	93.6	95.5	95.5	97.4	98.1
0	.7	77.4	84.5	87.1	87.7	88.4	90.3	92.3	92.9	92.9	93.6	93.6	95.5	95.5	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAR (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.5	44.9	45.7	45.8	46.0	46.0	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	2.7	49.6	50.6	50.9	51.1	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	2.7	49.6	50.6	50.9	51.1	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	2.7	49.6	50.6	50.9	51.1	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	2.7	50.0	51.0	51.4	51.5	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	2.7	50.8	51.8	52.2	52.3	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 10000	2.7	54.7	55.7	56.2	56.4	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 9000	2.7	55.2	56.2	56.7	56.9	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	2.7	56.7	57.7	58.3	58.6	58.6	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 7000	2.7	57.5	58.7	59.3	59.5	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 6000	2.7	58.2	59.4	60.2	60.5	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	2.7	60.2	61.5	62.3	62.7	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4500	2.7	61.8	63.1	63.9	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4000	2.8	64.8	66.4	67.2	67.5	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3500	3.0	66.3	68.1	68.9	69.2	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 3000	3.1	69.5	71.6	72.4	72.7	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 2500	3.1	71.6	74.1	75.1	75.4	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 2000	3.1	73.2	76.0	77.2	77.6	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1800	3.1	73.4	76.2	77.5	77.9	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 1500	3.1	74.7	78.2	79.7	80.3	80.4	80.7	81.0	81.1	81.1	81.2	81.2	81.3	81.3	81.3	81.3
≥ 1200	3.1	75.0	79.0	80.6	81.3	81.5	81.8	82.0	82.1	82.2	82.3	82.3	82.4	82.4	82.4	82.4
≥ 1000	3.1	75.9	80.2	81.9	83.1	83.3	83.6	83.9	84.1	84.3	84.4	84.4	84.6	84.6	84.6	84.6
≥ 900	3.1	76.1	80.3	82.1	83.4	83.6	84.0	84.3	84.5	84.7	84.8	84.8	85.0	85.0	85.0	85.0
≥ 800	3.1	76.8	81.1	83.1	84.4	84.7	85.3	85.9	86.1	86.4	86.6	86.6	86.8	86.8	86.8	86.8
≥ 700	3.1	76.9	81.5	83.6	85.1	85.4	86.2	86.8	87.0	87.3	87.6	87.6	87.8	87.8	87.8	87.8
≥ 600	3.1	77.3	82.0	84.4	86.5	86.9	87.8	88.6	88.9	89.2	89.4	89.4	89.7	89.7	89.7	89.7
≥ 500	3.1	77.4	82.5	85.2	87.7	88.2	89.4	90.2	90.7	91.5	91.9	91.9	92.3	92.3	92.3	92.3
≥ 400	3.1	77.7	82.8	85.5	88.0	88.6	90.2	91.4	91.9	92.9	93.5	93.5	93.9	93.9	93.9	93.9
≥ 300	3.1	77.7	82.9	85.7	88.4	89.0	91.0	92.3	93.0	94.2	94.9	94.9	95.4	95.5	95.5	95.5
≥ 200	3.1	77.7	82.9	85.7	88.6	89.4	91.4	92.8	93.6	95.2	96.1	96.1	96.9	97.0	97.3	97.3
≥ 100	3.1	77.7	82.9	85.7	88.6	89.4	91.4	92.9	93.6	95.5	96.5	96.5	97.7	97.8	99.0	99.4
0	3.1	77.7	82.9	85.7	88.6	89.4	91.4	92.9	93.6	95.5	96.5	96.5	97.7	97.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) APR (MONTH) 01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	2.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	2.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	2.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	2.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	3.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	3.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000	3.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000	3.3	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 7000	3.3	68.7	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	3.3	70.0	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	3.3	74.7	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	3.3	76.7	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	3.3	78.7	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	3.3	80.0	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3000	3.3	80.7	81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500	3.3	82.0	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	3.3	83.3	84.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	3.3	83.3	84.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	3.3	83.3	84.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	3.3	84.7	86.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	3.3	85.3	86.7	88.7	90.0	90.0	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	3.3	85.3	86.7	88.7	90.0	90.0	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 800	3.3	85.3	87.3	89.3	90.7	90.7	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	3.3	86.0	88.0	90.0	91.3	91.3	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	3.3	86.7	88.7	91.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	3.3	87.3	89.3	92.7	95.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	3.3	87.3	90.0	94.0	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	3.3	87.3	90.0	94.0	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	3.3	87.3	90.0	94.0	97.3	97.3	97.3	97.3	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3
≥ 100	3.3	87.3	90.0	94.0	97.3	97.3	97.3	97.3	97.3	98.0	98.7	98.7	99.3	99.3	100.0	100.0
0	3.3	87.3	90.0	94.0	97.3	97.3	97.3	97.3	97.3	98.0	98.7	98.7	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH) | 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	52.0	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	2.0	55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	2.0	55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000	2.0	55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	2.0	55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	2.7	56.0	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	3.3	62.0	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000	3.3	62.0	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000	3.3	65.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	3.3	67.3	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	3.3	68.0	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000	3.3	68.7	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	3.3	72.0	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	3.3	73.3	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	3.3	75.3	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	3.3	75.3	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	3.3	76.0	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	3.3	78.0	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	3.3	78.7	80.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	3.3	79.3	80.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1200	3.3	79.3	80.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1000	3.3	80.7	82.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7
≥ 900	3.3	80.7	82.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800	3.3	80.7	82.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700	3.3	81.3	83.3	86.0	87.3	87.3	87.3	88.0	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7
≥ 600	3.3	82.0	84.0	86.7	88.0	88.0	88.0	88.7	88.7	88.7	89.3	89.3	90.0	90.0	90.0	90.0
≥ 500	3.3	82.0	84.0	87.3	89.3	89.3	90.7	91.3	91.3	91.3	92.0	92.0	92.7	92.7	92.7	92.7
≥ 400	3.3	82.7	84.7	88.7	90.7	90.7	92.0	92.7	92.7	93.3	94.0	94.0	94.7	94.7	94.7	94.7
≥ 300	3.3	82.7	84.7	89.3	92.0	92.0	94.0	94.7	94.7	95.3	96.0	96.0	96.7	96.7	96.7	96.7
≥ 200	3.3	82.7	84.7	89.3	92.0	92.0	94.7	95.3	95.3	96.0	96.7	96.7	97.3	97.3	97.3	97.3
≥ 100	3.3	82.7	84.7	89.3	92.0	92.0	94.7	95.3	95.3	96.7	97.3	97.3	98.0	98.7	98.7	100.0
0	3.3	82.7	84.7	89.3	92.0	92.0	94.7	95.3	95.3	96.7	97.3	97.3	98.0	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH) | 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	6.7	43.3	45.3	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	7.3	51.3	53.3	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	7.3	52.0	54.0	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	7.3	52.0	54.0	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	7.3	52.7	54.7	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	7.3	54.7	56.7	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	8.0	60.7	62.7	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 9000	8.0	61.3	63.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000	8.0	64.0	66.0	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	8.0	66.7	68.7	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000	8.0	67.3	69.3	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	8.0	68.7	70.7	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	8.0	69.3	71.3	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	8.7	70.7	72.7	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	8.7	71.3	73.3	74.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	8.7	72.7	74.7	76.0	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	8.7	74.0	76.0	77.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	8.7	75.3	77.3	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	8.7	75.3	77.3	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	8.7	75.3	77.3	79.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	8.7	75.3	77.3	79.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1000	8.7	76.0	78.7	80.7	82.7	83.3	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 900	8.7	76.0	78.7	80.7	82.7	83.3	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 800	8.7	76.7	79.3	81.3	84.0	84.7	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 700	8.7	76.7	79.3	81.3	84.7	85.3	86.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 600	8.7	76.7	79.3	82.0	86.0	86.7	87.3	87.3	87.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7
≥ 500	8.7	76.7	80.0	82.7	86.7	87.3	90.0	90.7	90.7	91.3	92.7	92.7	92.7	92.7	92.7	92.7
≥ 400	8.7	76.7	80.0	82.7	87.3	88.0	91.3	92.7	92.7	93.3	94.7	94.7	94.7	94.7	94.7	94.7
≥ 300	8.7	76.7	80.0	82.7	87.3	88.0	91.3	92.7	92.7	94.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 200	8.7	76.7	80.0	82.7	88.0	88.7	92.0	94.0	94.0	96.0	97.3	97.3	98.0	98.0	98.7	98.7
≥ 100	8.7	76.7	80.0	82.7	88.0	88.7	92.0	94.0	94.0	96.0	97.3	97.3	98.7	99.3	100.0	100.0
0	8.7	76.7	80.0	82.7	88.0	88.7	92.0	94.0	94.0	96.0	97.3	97.3	98.7	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	8.7	50.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	8.7	51.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000	8.7	51.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	8.7	51.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	8.7	52.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	8.7	54.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000	9.3	57.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	9.3	57.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	9.3	60.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000	9.3	62.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	9.3	62.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 5000	9.3	65.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	9.3	66.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	10.0	72.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	10.0	73.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3000	10.0	74.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	10.0	74.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	10.0	77.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	10.0	77.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	10.0	78.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	10.0	79.3	84.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	10.0	80.0	84.7	86.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.7	88.7	88.7	88.7
≥ 900	10.0	80.0	84.7	86.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.7	88.7	88.7	88.7
≥ 800	10.0	80.0	85.3	88.0	88.7	89.3	90.0	90.0	90.0	90.7	90.7	90.7	91.3	91.3	91.3	91.3
≥ 700	10.0	80.0	85.3	88.0	89.3	90.0	90.7	90.7	90.7	91.3	91.3	91.3	92.0	92.0	92.0	92.0
≥ 600	10.0	80.0	86.0	88.7	90.7	91.3	92.7	92.7	92.7	93.3	93.3	93.3	94.0	94.0	94.0	94.0
≥ 500	10.0	80.0	86.0	88.7	90.7	91.3	93.3	94.0	94.0	94.7	94.7	94.7	95.3	95.3	95.3	95.3
≥ 400	10.0	80.0	86.0	88.7	90.7	91.3	94.7	95.3	95.3	96.0	96.0	96.0	96.7	96.7	96.7	96.7
≥ 300	10.0	80.0	86.0	88.7	90.7	91.3	94.7	96.0	96.0	96.7	97.3	97.3	98.0	98.0	98.0	98.0
≥ 200	10.0	80.0	86.0	88.7	90.7	91.3	94.7	96.7	96.7	98.0	98.7	98.7	99.3	100.0	100.0	100.0
≥ 100	10.0	80.0	86.0	88.7	90.7	91.3	94.7	96.7	96.7	98.0	98.7	98.7	99.3	100.0	100.0	100.0
0	10.0	80.0	86.0	88.7	90.7	91.3	94.7	96.7	96.7	98.0	98.7	98.7	99.3	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH) | 13 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	8.0	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	10.0	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	10.0	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	10.0	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	10.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	10.0	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	10.7	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	10.7	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	10.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 7000	10.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 6000	10.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	10.7	61.3	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4500	10.7	64.0	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000	12.7	74.7	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	12.7	76.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	12.7	79.3	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	12.7	80.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	12.7	81.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	12.7	82.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	12.7	82.7	84.7	86.7	87.3	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	13.3	85.3	87.3	89.3	90.0	90.0	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	13.3	86.0	88.7	90.7	91.3	91.3	91.3	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	13.3	86.0	88.7	90.7	91.3	91.3	91.3	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	13.3	86.0	88.7	91.3	92.7	92.7	92.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 700	13.3	86.0	88.7	91.3	92.7	92.7	92.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 600	13.3	86.0	88.7	91.3	92.7	93.3	93.3	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	13.3	86.0	88.7	91.3	94.0	94.7	94.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	13.3	86.0	88.7	91.3	94.0	94.7	94.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	13.3	86.0	88.7	91.3	94.0	94.7	94.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	13.3	86.0	88.7	91.3	94.0	94.7	94.7	98.7	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100	13.3	86.0	88.7	91.3	94.0	94.7	94.7	98.7	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0
≥ 0	13.3	86.0	88.7	91.3	94.0	94.7	94.7	98.7	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) APR (MONTH) 16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	9.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	9.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000	9.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	9.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 14000	9.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 12000	9.3	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 10000	10.0	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 9000	10.0	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	10.0	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	10.0	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	10.0	62.7	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 5000	10.0	65.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4500	10.0	66.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4000	12.0	72.7	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	12.7	76.7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	12.7	79.3	80.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500	12.7	80.0	81.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	13.3	83.3	84.7	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	13.3	83.3	84.7	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1500	13.3	84.7	86.0	88.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1200	13.3	84.7	86.0	88.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1000	13.3	84.7	86.0	88.0	88.7	88.7	89.3	89.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	13.3	84.7	86.0	88.0	88.7	88.7	89.3	89.3	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7
≥ 800	13.3	84.7	86.0	89.3	90.7	90.7	91.3	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700	13.3	84.7	86.0	89.3	91.3	91.3	92.0	92.7	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	13.3	84.7	86.0	89.3	92.0	92.0	93.3	94.0	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	13.3	84.7	86.0	89.3	92.7	93.3	94.7	95.3	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	13.3	84.7	86.0	89.3	92.7	93.3	95.3	96.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	13.3	84.7	86.0	89.3	92.7	93.3	95.3	96.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	13.3	84.7	86.0	89.3	92.7	93.3	95.3	96.7	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100	13.3	84.7	86.0	89.3	92.7	93.3	95.3	96.7	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0
0	13.3	84.7	86.0	89.3	92.7	93.3	95.3	96.7	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

19 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	50.0	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	5.3	52.7	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000	5.3	52.7	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	5.3	52.7	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	5.3	53.3	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	5.3	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000	5.3	58.7	58.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	5.3	59.3	59.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	5.3	65.3	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	5.3	67.3	68.0	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 6000	5.3	68.7	69.3	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000	5.3	70.7	71.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	5.3	70.7	71.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	5.3	76.0	76.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	5.3	78.0	78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	5.3	79.3	81.3	82.0	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	5.3	80.0	82.0	82.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	5.3	80.7	82.7	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	5.3	81.3	83.3	84.0	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	5.3	83.3	86.0	86.7	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	5.3	84.0	86.7	87.3	88.0	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1000	5.3	84.7	87.3	88.0	88.7	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 900	5.3	84.7	87.3	88.0	88.7	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	5.3	86.0	88.7	89.3	90.0	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	5.3	86.0	88.7	89.3	90.0	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	5.3	86.0	88.7	89.3	90.0	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 500	5.3	86.7	89.3	90.7	92.0	93.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	5.3	86.7	89.3	91.3	92.7	94.0	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	5.3	86.7	89.3	91.3	92.7	94.0	97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	5.3	86.7	89.3	91.3	92.7	94.0	97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	5.3	86.7	89.3	91.3	92.7	94.0	97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	5.3	86.7	89.3	91.3	92.7	94.0	97.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) APR (MONTH) 22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 20000	4.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	4.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000	4.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	4.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	4.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	4.0	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	4.0	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	4.0	70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	4.0	70.0	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000	4.0	73.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	4.0	74.7	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	4.0	76.0	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	4.0	78.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	4.0	80.0	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	4.0	82.0	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	4.0	82.7	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	4.0	83.3	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	4.0	83.3	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500	4.0	85.3	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1200	4.0	86.0	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	4.0	86.0	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	4.0	86.0	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 800	4.0	86.7	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	4.0	86.7	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	4.0	87.3	90.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 500	4.0	87.3	90.7	93.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	4.0	87.3	90.7	94.0	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	4.0	87.3	90.7	94.7	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	4.0	87.3	90.7	94.7	96.0	97.3	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	4.0	87.3	90.7	94.7	96.0	97.3	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3
0	4.0	87.3	90.7	94.7	96.0	97.3	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | APR (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.5	49.2	50.1	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	6.2	53.7	54.7	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	6.2	53.8	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000	6.2	53.8	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	6.2	54.2	55.2	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000	6.3	55.7	56.7	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	6.8	60.1	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000	6.8	60.3	61.3	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8
≥ 8000	6.8	63.8	64.9	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000	6.8	65.3	66.5	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	6.8	66.6	67.8	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 5000	6.8	68.7	70.1	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	6.8	70.2	71.6	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 4000	7.4	74.7	76.2	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	7.5	76.4	77.9	78.8	79.1	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	7.5	77.8	79.7	80.7	81.0	81.1	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	7.5	78.8	80.8	81.8	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	7.6	80.3	82.4	83.4	83.8	83.8	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1800	7.6	80.6	82.7	83.8	84.1	84.2	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1500	7.6	81.5	83.8	85.5	86.0	86.1	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1200	7.7	82.3	84.7	86.5	87.2	87.3	87.5	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	7.7	82.9	85.5	87.3	88.2	88.3	88.7	88.8	88.8	89.1	89.3	89.3	89.3	89.3	89.3	89.3
≥ 900	7.7	82.9	85.5	87.3	88.2	88.3	88.7	88.8	88.8	89.1	89.3	89.3	89.3	89.3	89.3	89.3
≥ 800	7.7	83.3	86.0	88.3	89.3	89.5	90.0	90.2	90.3	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥ 700	7.7	83.4	86.2	88.4	89.8	90.0	90.5	90.8	90.9	91.3	91.4	91.4	91.5	91.5	91.5	91.5
≥ 600	7.7	83.7	86.5	88.9	90.8	91.0	91.7	91.9	92.1	92.4	92.7	92.7	92.8	92.8	92.8	92.8
≥ 500	7.7	83.8	86.8	89.5	91.9	92.5	93.7	94.3	94.5	94.8	95.2	95.2	95.3	95.3	95.3	95.3
≥ 400	7.7	83.9	86.9	90.0	92.5	93.1	94.8	95.7	95.8	96.3	96.7	96.7	96.8	96.8	96.8	96.8
≥ 300	7.7	83.9	86.9	90.2	92.8	93.5	95.3	96.7	96.9	97.4	97.9	97.9	98.1	98.1	98.1	98.1
≥ 200	7.7	83.9	86.9	90.2	92.9	93.6	95.5	97.0	97.3	98.0	98.6	98.6	99.1	99.2	99.3	99.3
≥ 100	7.7	83.9	86.9	90.2	92.9	93.6	95.5	97.0	97.3	98.1	98.7	98.7	99.3	99.6	99.8	99.9
0	7.7	83.9	86.9	90.2	92.9	93.6	95.5	97.0	97.3	98.1	98.7	98.7	99.3	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH) | 01 (HOURS (L S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		48.4	49.0	49.7	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000		50.3	51.6	52.3	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000		50.3	51.6	52.3	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000		50.3	51.6	52.3	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000		50.3	51.6	52.3	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000		52.9	54.2	54.8	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000		59.4	60.7	61.3	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000		59.4	60.7	61.3	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000		61.9	63.2	63.9	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000		61.9	63.2	63.9	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000		61.9	63.2	63.9	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000		65.8	67.7	68.4	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500		65.8	67.7	68.4	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4000		67.1	69.0	69.7	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500		68.4	71.0	71.6	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000		69.7	72.3	73.6	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500		71.6	74.2	75.5	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2000		72.3	75.5	76.8	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1800		72.3	75.5	76.8	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500		73.6	76.8	78.7	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200		74.2	77.4	79.4	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1000		74.8	78.1	80.0	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 900		74.8	78.1	80.0	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 800		75.5	79.4	81.3	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 700		75.5	79.4	81.9	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 600		77.4	81.3	84.5	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 500		77.4	81.3	84.5	88.4	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 400		78.1	81.9	85.2	89.7	89.7	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 300		78.1	81.9	85.8	90.3	91.0	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 200		78.1	81.9	85.8	90.3	91.6	92.3	93.6	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2
≥ 100		78.1	81.9	85.8	90.3	91.6	92.3	94.2	94.2	94.2	94.2	94.2	94.8	95.5	96.1	98.1
0		78.1	81.9	85.8	90.3	91.6	92.3	94.2	94.2	94.2	94.2	94.2	94.8	95.5	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH) | 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		36.1	37.4	38.1	40.7	41.3	41.9	41.9	41.9	42.6	42.6	42.6	42.6	42.6	43.2	43.2
≥ 20000		38.7	41.3	41.9	44.5	45.2	45.8	45.8	46.5	47.1	47.1	47.1	47.1	47.1	47.7	47.7
18000		39.4	41.9	42.6	45.2	45.8	46.5	46.5	47.1	47.7	47.7	47.7	47.7	47.7	48.4	48.4
16000		39.4	41.9	42.6	45.2	45.8	46.5	46.5	47.1	47.7	47.7	47.7	47.7	47.7	48.4	48.4
14000		39.4	41.9	42.6	45.2	45.8	46.5	46.5	47.1	47.7	47.7	47.7	47.7	47.7	48.4	48.4
12000		41.3	43.9	44.5	47.1	47.7	48.4	48.4	49.0	49.7	49.7	49.7	49.7	49.7	50.3	50.3
10000		43.9	47.1	47.7	50.3	51.0	51.6	51.6	52.3	52.9	52.9	52.9	52.9	52.9	53.6	53.6
9000		43.9	47.1	47.7	50.3	51.0	51.6	51.6	52.3	52.9	52.9	52.9	52.9	52.9	53.6	53.6
8000		47.1	50.3	51.6	54.8	55.5	56.8	56.8	57.4	58.1	58.1	58.1	58.1	58.1	58.7	58.7
7000		47.1	50.3	51.6	54.8	55.5	56.8	56.8	57.4	58.1	58.1	58.1	58.1	58.1	58.7	58.7
6000		48.4	51.6	52.9	56.1	56.8	58.1	58.1	58.7	59.4	59.4	59.4	59.4	59.4	60.0	60.0
5000		54.8	60.0	61.3	64.5	65.2	66.5	66.5	67.1	67.7	67.7	67.7	67.7	67.7	68.4	68.4
4500		56.8	61.9	63.2	66.5	67.1	68.4	68.4	69.0	69.7	69.7	69.7	69.7	69.7	70.3	70.3
4000		59.4	64.5	65.8	69.0	69.7	71.0	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.9	72.9
3500		59.4	64.5	65.8	69.0	69.7	71.0	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.9	72.9
3000		60.7	65.8	67.1	70.3	71.0	72.3	72.3	72.9	73.6	73.6	73.6	73.6	73.6	74.2	74.2
2500		61.3	66.5	67.7	71.0	71.6	72.9	72.9	73.6	74.2	74.2	74.2	74.2	74.2	74.8	74.8
2000		61.9	67.7	70.3	73.6	74.2	75.5	75.5	76.1	76.8	76.8	76.8	76.8	76.8	77.4	77.4
1800		61.9	67.7	70.3	73.6	74.2	75.5	75.5	76.1	76.8	76.8	76.8	76.8	76.8	77.4	77.4
1500		61.9	67.7	70.3	73.6	74.2	75.5	75.5	76.1	76.8	76.8	76.8	76.8	76.8	77.4	77.4
1200		61.9	67.7	70.3	73.6	74.2	75.5	75.5	76.1	76.8	76.8	76.8	76.8	76.8	77.4	77.4
1000		62.6	68.4	71.0	74.2	74.8	76.8	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.7	78.7
900		63.2	69.0	71.6	74.8	75.5	78.1	78.1	78.7	79.4	79.4	79.4	79.4	79.4	80.0	80.0
800		63.9	69.7	72.9	76.8	77.4	80.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6
700		64.5	70.3	73.6	77.4	78.1	81.3	81.3	81.9	82.6	82.6	82.6	82.6	82.6	83.2	83.2
600		65.2	71.0	74.2	78.1	78.7	82.6	82.6	83.2	83.9	83.9	83.9	83.9	83.9	84.5	84.5
500		66.5	72.3	76.1	80.7	81.3	85.8	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.7	87.7
400		66.5	72.3	76.1	81.3	82.6	87.1	87.1	87.7	88.4	88.4	88.4	88.4	88.4	89.0	89.0
300		66.5	72.3	76.1	81.3	82.6	87.1	87.1	87.7	88.4	88.4	88.4	88.4	88.4	89.0	89.0
200		66.5	72.3	76.8	81.9	83.2	88.4	88.4	89.0	90.3	90.3	90.3	91.6	91.6	92.9	92.9
100		66.5	72.3	76.8	81.9	83.2	88.4	88.4	89.7	91.0	91.0	91.0	94.2	94.2	96.1	97.4
0		66.5	72.3	76.8	81.9	83.2	88.4	88.4	89.7	91.0	91.0	91.0	94.2	94.2	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH) | 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.6	41.9	43.9	43.9	45.2	45.2	45.2	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	2.6	44.5	46.5	47.7	49.7	49.7	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	2.6	44.5	46.5	47.7	49.7	49.7	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	2.6	44.5	46.5	47.7	49.7	49.7	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	2.6	45.8	47.7	49.0	51.0	51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	2.6	47.1	49.0	50.3	52.3	52.3	52.3	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	3.2	51.0	53.6	54.8	56.8	56.8	56.8	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	3.2	51.0	53.6	54.8	56.8	56.8	56.8	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 8000	3.2	53.6	56.8	58.7	60.7	60.7	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	3.2	54.8	58.1	60.7	62.6	62.6	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 6000	3.2	54.8	58.7	61.3	63.2	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	3.2	56.8	61.3	63.9	65.8	65.8	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4500	3.2	57.4	61.9	64.5	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	3.2	59.4	64.5	67.1	69.0	69.0	69.0	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	3.2	60.0	65.2	67.7	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000	3.2	61.3	66.5	69.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	3.2	62.6	67.7	71.0	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2000	3.2	63.9	69.0	72.3	74.2	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1800	3.2	63.9	69.0	72.3	74.2	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1500	3.2	66.5	71.6	75.5	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1200	3.2	66.5	71.6	75.5	78.1	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1000	3.2	69.0	74.8	78.7	81.3	81.3	81.3	81.3	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6
≥ 900	3.2	69.0	74.8	78.7	81.3	81.3	81.3	82.6	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9
≥ 800	3.2	69.0	74.8	78.7	81.3	81.3	81.3	82.6	82.6	83.2	83.9	83.9	83.9	83.9	83.9	83.9
≥ 700	3.2	69.7	75.5	79.4	81.9	81.9	81.9	83.2	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 600	3.2	69.7	75.5	79.4	82.6	82.6	82.6	83.9	83.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8
≥ 500	3.2	69.7	75.5	79.4	82.6	82.6	85.2	87.7	87.7	89.7	90.3	90.3	91.0	91.0	91.0	91.0
≥ 400	3.2	69.7	75.5	79.4	82.6	82.6	85.2	87.7	88.4	90.3	91.6	91.6	92.3	92.3	92.3	92.3
≥ 300	3.2	69.7	75.5	79.4	82.6	82.6	85.2	88.4	89.0	92.3	94.2	94.8	96.8	96.8	96.8	96.8
≥ 200	3.2	69.7	75.5	79.4	82.6	82.6	85.2	88.4	89.0	92.3	94.8	95.5	98.1	98.1	98.7	98.7
≥ 100	3.2	69.7	75.5	79.4	82.6	82.6	85.2	88.4	89.0	92.3	94.8	95.5	98.1	98.1	98.7	100.0
0	3.2	69.7	75.5	79.4	82.6	82.6	85.2	88.4	89.0	92.3	94.8	95.5	98.1	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 (HOURS (L S T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.9	46.5	48.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	3.9	52.3	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 18000	3.9	52.3	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 16000	3.9	52.3	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	3.9	52.3	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	3.9	52.9	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	3.9	56.8	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	3.9	56.8	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	3.9	61.3	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	3.9	61.3	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	3.9	61.3	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	3.9	61.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4500	3.9	61.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	3.9	61.9	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3500	3.9	63.2	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	3.9	66.5	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	4.5	69.0	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	4.5	71.6	75.5	76.8	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1800	4.5	72.3	76.1	77.4	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500	4.5	75.5	79.4	81.3	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200	4.5	76.1	80.0	81.9	83.2	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	4.5	77.4	81.9	84.5	85.8	86.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	4.5	77.4	81.9	84.5	85.8	86.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	4.5	77.4	81.9	84.5	87.1	88.4	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	4.5	78.1	82.6	85.2	89.0	90.3	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	4.5	78.7	83.2	87.1	91.0	92.3	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	4.5	78.7	83.2	87.1	91.0	92.9	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	4.5	78.7	83.2	87.1	91.0	93.6	94.2	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	4.5	78.7	83.2	87.1	91.0	93.6	94.2	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	4.5	78.7	83.2	87.1	91.0	93.6	94.2	95.5	96.8	98.1	99.4	100.0	100.0	100.0	100.0	100.0
≥ 100	4.5	78.7	83.2	87.1	91.0	93.6	94.2	95.5	96.8	98.1	99.4	100.0	100.0	100.0	100.0	100.0
0	4.5	78.7	83.2	87.1	91.0	93.6	94.2	95.5	96.8	98.1	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.2	43.2	44.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	4.5	49.0	50.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
< 18000 ≥ 16000	4.5	49.0	50.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
	4.5	49.0	50.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
< 14000 ≥ 12000	4.5	49.7	51.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	4.5	49.7	51.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
< 10000 ≥ 9000	4.5	51.0	52.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
	4.5	51.0	52.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
< 8000 ≥ 7000	4.5	54.8	56.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
	4.5	54.8	56.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
< 6000 ≥ 5000	4.5	54.8	56.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
	5.2	59.4	61.3	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
< 4500 ≥ 4000	5.2	60.0	61.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
	5.2	62.6	64.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
< 3500 ≥ 3000	5.2	67.7	69.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
	5.2	73.6	76.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
< 2500 ≥ 2000	5.2	75.5	78.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
	5.2	76.8	80.0	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
< 1800 ≥ 1500	5.2	76.8	80.0	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
	5.2	81.3	85.2	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
< 1200 ≥ 1000	5.2	81.3	86.5	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
	5.2	82.6	87.7	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
< 900 ≥ 800	5.2	82.6	87.7	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
	5.2	83.9	89.0	94.2	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
< 700 ≥ 600	5.2	83.9	89.0	94.2	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
	5.2	83.9	89.0	94.2	95.5	95.5	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
< 500 ≥ 400	5.2	83.9	89.0	94.2	96.1	96.1	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	5.2	83.9	89.0	94.2	96.1	96.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
< 300 ≥ 200	5.2	83.9	89.0	94.2	96.1	96.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	5.2	83.9	89.0	94.2	96.1	96.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
< 100 0	5.2	83.9	89.0	94.2	96.1	96.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
	5.2	83.9	89.0	94.2	96.1	96.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.9	47.7	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	5.2	55.5	58.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000	5.2	55.5	58.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	5.2	55.5	58.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	5.2	55.5	58.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000	5.2	56.8	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	5.2	58.1	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	5.2	58.1	60.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	5.2	63.9	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	5.2	63.9	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	5.2	65.2	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	5.2	68.4	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	5.2	71.0	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000	5.2	71.0	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	6.5	75.5	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	6.5	78.7	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	6.5	81.3	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	6.5	82.6	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	6.5	83.2	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1500	6.5	83.2	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	6.5	83.9	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	6.5	83.9	88.4	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	6.5	84.5	89.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	6.5	84.5	89.0	91.0	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	6.5	85.2	89.7	91.6	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600	6.5	85.2	89.7	91.6	93.6	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	6.5	85.2	90.3	92.3	94.2	95.5	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	6.5	85.2	90.3	92.3	94.2	95.5	96.1	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	6.5	85.2	90.3	92.3	94.8	96.1	96.8	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	6.5	85.2	90.3	92.3	94.8	96.1	96.8	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	6.5	85.2	90.3	92.3	94.8	96.1	96.8	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	6.5	85.2	90.3	92.3	94.8	96.1	96.8	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH) | 19 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.6	43.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	2.6	51.0	54.2	54.2	54.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 18000	2.6	51.0	54.2	54.2	54.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 16000	2.6	51.0	54.2	54.2	54.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	2.6	51.6	54.8	54.8	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	2.6	52.3	55.5	55.5	55.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	2.6	60.7	63.9	63.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	2.6	60.7	63.9	63.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	2.6	64.5	67.7	67.7	67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	2.6	67.1	70.3	71.0	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000	2.6	67.7	71.0	71.6	71.6	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	2.6	69.7	72.9	74.2	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4500	2.6	71.0	74.2	75.5	75.5	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	2.6	74.8	78.1	79.4	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	2.6	74.8	78.1	79.4	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	2.6	76.8	80.0	81.3	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	2.6	76.8	80.7	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	2.6	77.4	81.9	83.2	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	2.6	77.4	81.9	83.2	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	2.6	79.4	83.9	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	2.6	79.4	83.9	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	2.6	80.0	84.5	85.8	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	2.6	80.0	84.5	85.8	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	2.6	80.0	84.5	85.8	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	2.6	80.0	84.5	85.8	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	2.6	80.0	84.5	85.8	85.8	87.7	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 500	2.6	81.9	87.1	88.4	88.4	90.3	92.3	92.3	92.3	92.9	92.9	92.9	93.6	93.6	93.6	93.6
≥ 400	2.6	81.9	87.1	88.4	88.4	91.0	92.9	93.6	94.2	94.8	94.8	94.8	95.5	95.5	95.5	95.5
≥ 300	2.6	81.9	87.1	88.4	88.4	91.0	92.9	93.6	94.2	96.8	97.4	97.4	98.7	98.7	98.7	98.7
≥ 200	2.6	81.9	87.1	88.4	88.4	91.0	93.6	94.2	94.8	97.4	98.1	98.1	99.4	99.4	99.4	99.4
≥ 100	2.6	81.9	87.1	88.4	88.4	91.0	93.6	94.2	94.8	97.4	98.1	98.1	99.4	99.4	100.0	100.0
0	2.6	81.9	87.1	88.4	88.4	91.0	93.6	94.2	94.8	97.4	98.1	98.1	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	45.2	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	1.3	51.0	52.3	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
< 20000 ≥ 18000	1.3	51.0	52.3	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
< 18000 ≥ 16000	1.3	51.0	52.3	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
< 16000 ≥ 14000	1.3	51.0	52.3	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
< 14000 ≥ 12000	1.3	54.2	55.5	56.1	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
< 10000 ≥ 9000	1.3	61.9	63.2	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
< 9000 ≥ 8000	1.3	66.5	67.7	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
< 8000 ≥ 7000	1.3	67.1	68.4	69.0	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
< 7000 ≥ 6000	1.3	68.4	69.7	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
< 6000 ≥ 5000	1.3	72.3	73.6	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
< 5000 ≥ 4500	1.3	73.6	74.8	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
< 4500 ≥ 4000	1.3	75.5	76.8	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
< 4000 ≥ 3500	1.3	76.1	77.4	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
< 3500 ≥ 3000	1.3	76.1	77.4	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
< 3000 ≥ 2500	1.3	76.8	78.7	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
< 2500 ≥ 2000	1.3	77.4	79.4	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
< 2000 ≥ 1800	1.3	77.4	79.4	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
< 1800 ≥ 1500	1.3	78.1	80.7	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
< 1500 ≥ 1200	1.3	78.1	81.3	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
< 1200 ≥ 1000	1.3	78.1	81.3	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
< 1000 ≥ 900	1.3	78.7	81.9	83.2	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
< 900 ≥ 800	1.3	79.4	82.6	83.9	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
< 800 ≥ 700	1.3	79.4	82.6	83.9	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
< 700 ≥ 600	1.3	80.0	83.9	85.2	87.7	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
< 600 ≥ 500	1.3	80.7	85.2	86.5	89.0	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
< 500 ≥ 400	1.3	81.3	85.8	87.1	89.7	90.3	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
< 400 ≥ 300	1.3	81.9	86.5	87.7	90.3	91.0	92.3	94.2	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8
< 300 ≥ 200	1.3	81.9	86.5	87.7	90.3	91.0	92.9	95.5	95.5	95.5	95.5	95.5	96.8	96.8	96.8	96.8
< 200 ≥ 100	1.3	81.9	86.5	87.7	90.3	91.0	92.9	95.5	95.5	96.8	96.8	96.8	98.7	98.7	99.4	99.4
< 100 0	1.3	81.9	86.5	87.7	90.3	91.0	92.9	95.5	95.5	96.8	96.8	96.8	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) MAY (MONTH) ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.2	44.0	45.7	46.5	47.0	47.1	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.5	47.5
≥ 20000	2.5	49.0	51.1	52.0	52.7	52.8	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.5	53.5
≥ 18000	2.5	49.1	51.1	52.1	52.7	52.9	53.2	53.2	53.3	53.5	53.5	53.5	53.5	53.5	53.6	53.6
≥ 16000	2.5	49.1	51.1	52.1	52.7	52.9	53.2	53.2	53.3	53.5	53.5	53.5	53.5	53.5	53.6	53.6
≥ 14000	2.5	49.4	51.5	52.4	53.1	53.2	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.9	53.9
≥ 12000	2.5	50.9	52.9	53.9	54.5	54.7	55.0	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.3	55.3
≥ 10000	2.6	55.2	57.4	58.5	59.1	59.3	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.9	59.9
≥ 9000	2.6	55.3	57.5	58.6	59.2	59.4	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	60.0	60.0
≥ 8000	2.6	59.2	61.7	62.9	63.6	63.8	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5
≥ 7000	2.6	59.8	62.3	63.6	64.4	64.5	64.9	64.9	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	2.6	60.3	62.9	64.3	65.0	65.2	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 5000	2.7	63.6	66.6	68.1	68.8	69.0	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.7	69.7
≥ 4500	2.7	64.7	67.7	69.1	69.8	70.0	70.4	70.4	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	2.7	66.5	69.5	71.0	71.7	71.9	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.6	72.6
≥ 3500	2.8	68.2	71.3	72.7	73.5	73.6	74.0	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.4	74.4
≥ 3000	2.8	70.4	73.7	75.3	76.1	76.2	76.6	76.6	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2500	2.9	71.9	75.5	77.2	77.9	78.1	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8
≥ 2000	2.9	73.0	76.9	78.8	79.7	79.8	80.2	80.2	80.4	80.6	80.6	80.6	80.6	80.6	80.7	80.7
≥ 1800	2.9	73.2	77.1	79.0	79.8	80.0	80.4	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.8	80.8
≥ 1500	2.9	74.9	79.1	81.4	82.3	82.4	82.8	82.8	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1200	2.9	75.2	79.6	81.9	83.0	83.2	83.6	83.6	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1000	2.9	76.1	80.7	83.2	84.6	84.9	85.5	85.5	85.7	85.8	85.9	85.9	85.9	85.9	86.0	86.0
≥ 900	2.9	76.3	80.9	83.5	84.8	85.2	85.8	86.0	86.1	86.3	86.4	86.4	86.4	86.4	86.5	86.5
≥ 800	2.9	76.7	81.4	84.0	86.0	86.5	87.2	87.5	87.7	87.8	87.9	87.9	87.9	87.9	88.0	88.0
≥ 700	2.9	77.0	81.7	84.4	86.6	87.1	87.8	88.2	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥ 600	2.9	77.5	82.3	85.2	87.7	88.4	89.4	89.9	90.2	90.6	90.7	90.7	90.7	90.7	90.7	90.7
≥ 500	2.9	78.0	83.0	86.1	88.8	89.6	91.1	91.9	92.2	92.7	92.7	92.7	92.9	92.9	93.0	93.0
≥ 400	2.9	78.2	83.2	86.2	89.1	90.2	91.9	93.0	93.5	94.2	94.4	94.4	94.5	94.5	94.6	94.6
≥ 300	2.9	78.2	83.2	86.4	89.4	90.5	92.3	93.6	94.0	95.2	95.7	95.7	96.2	96.2	96.3	96.3
≥ 200	2.9	78.2	83.2	86.5	89.4	90.7	92.7	94.0	94.5	95.8	96.4	96.5	97.5	97.5	97.7	97.7
≥ 100	2.9	78.2	83.2	86.5	89.4	90.7	92.7	94.1	94.7	96.1	96.7	96.9	98.2	98.2	98.8	99.4
≥ 0	2.9	78.2	83.2	86.5	89.4	90.7	92.7	94.1	94.7	96.1	96.7	96.9	98.2	98.2	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

01 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		40.7	44.0	48.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000		42.7	46.0	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000		42.7	46.0	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000		42.7	46.0	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000		42.7	46.0	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000		44.7	48.0	52.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000		48.0	51.3	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 9000		48.0	51.3	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000		50.7	54.7	60.0	61.3	61.3	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000		50.7	55.3	60.7	62.0	62.0	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000		52.0	57.3	62.7	64.0	64.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 5000		52.7	58.7	64.0	65.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4500		52.7	58.7	64.0	65.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000		53.3	60.0	65.3	66.7	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3500		54.0	60.7	66.0	67.3	67.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000		56.0	64.0	69.3	70.7	70.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500		56.0	64.0	69.3	70.7	70.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2000		56.7	64.7	70.0	71.3	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 1800		56.7	64.7	70.0	71.3	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 1500		56.7	65.3	71.3	72.7	72.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1200		58.0	66.7	72.7	74.0	74.0	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 1000		59.3	68.0	74.0	75.3	75.3	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 900		59.3	68.7	74.7	76.0	76.0	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 800		60.7	70.0	77.3	78.7	78.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 700		60.7	70.0	78.0	79.3	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 600		61.3	70.7	79.3	81.3	82.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 500		61.3	70.7	80.0	82.7	83.3	84.0	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 400		62.0	72.0	81.3	84.0	84.7	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 300		62.0	72.7	82.0	85.3	86.0	88.7	89.3	90.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3
≥ 200		62.0	72.7	82.0	85.3	86.7	89.3	90.7	91.3	93.3	94.0	94.0	96.0	96.0	97.3	97.3
≥ 100		62.0	72.7	82.0	85.3	86.7	89.3	90.7	91.3	94.0	95.3	95.3	97.3	97.3	98.7	99.3
0		62.0	72.7	82.0	85.3	86.7	89.3	90.7	91.3	94.0	95.3	95.3	97.3	97.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH) | 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		24.0	28.7	35.3	38.7	39.3	41.3	42.0	42.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000		26.0	31.3	38.0	41.3	42.0	44.0	45.3	45.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 18000		26.0	31.3	38.0	41.3	42.0	44.0	45.3	45.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 16000		26.0	31.3	38.0	41.3	42.0	44.0	45.3	45.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 14000		26.0	31.3	38.0	41.3	42.0	44.0	45.3	45.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 12000		28.0	33.3	40.0	43.3	44.0	46.0	47.3	47.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000		30.0	35.3	42.0	45.3	46.7	48.7	50.0	50.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 9000		30.0	35.3	42.0	45.3	46.7	48.7	50.0	50.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000		34.0	40.0	47.3	50.7	52.0	54.7	56.0	56.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 7000		35.3	41.3	49.3	52.7	54.0	56.7	58.0	58.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000		35.3	41.3	49.3	52.7	54.0	56.7	58.0	58.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000		36.0	42.0	50.0	53.3	54.7	57.3	58.7	58.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4500		36.7	42.7	50.7	54.0	55.3	58.0	59.3	59.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4000		37.3	44.0	52.0	56.0	57.3	60.0	61.3	61.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3500		38.0	44.7	52.7	56.7	58.0	61.3	62.7	62.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3000		38.7	45.3	53.3	58.7	60.7	64.0	65.3	65.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 2500		38.7	45.3	53.3	58.7	60.7	64.0	65.3	65.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 2000		38.7	46.0	54.0	59.3	61.3	64.7	66.0	66.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 1800		38.7	46.0	54.0	59.3	61.3	64.7	66.0	66.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 1500		39.3	47.3	55.3	60.7	62.7	66.0	67.3	67.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 1200		39.3	47.3	55.3	60.7	63.3	66.7	68.0	68.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 1000		42.0	50.0	58.0	64.0	66.7	70.7	72.0	72.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 900		42.0	50.0	58.0	64.0	66.7	70.7	72.0	72.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 800		42.7	50.7	59.3	66.0	68.7	74.0	75.3	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 700		42.7	51.3	60.0	66.7	69.3	74.7	76.0	76.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 600		43.3	52.0	60.7	68.0	71.3	77.3	78.7	79.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 500		43.3	52.0	60.7	68.0	71.3	79.3	80.7	81.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 400		44.0	52.7	61.3	68.7	72.0	80.7	82.7	83.3	86.7	86.7	86.7	87.3	87.3	87.3	87.3
≥ 300		44.0	52.7	61.3	68.7	72.0	80.7	82.7	83.3	88.0	88.0	88.0	89.3	89.3	90.0	90.0
≥ 200		44.0	52.7	61.3	68.7	72.0	80.7	82.7	83.3	89.3	90.0	90.0	93.3	93.3	94.0	94.0
≥ 100		44.0	52.7	61.3	68.7	72.0	80.7	82.7	83.3	89.3	90.0	90.0	94.0	94.0	96.7	98.7
≥ 0		44.0	52.7	61.3	68.7	72.0	80.7	82.7	83.3	89.3	90.0	90.0	94.0	94.0	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JUN (MONTH) 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	31.3	36.7	40.0	42.0	42.0	42.7	42.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	2.0	34.0	39.3	42.7	45.3	45.3	46.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 18000	2.0	34.0	39.3	42.7	45.3	45.3	46.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 16000	2.0	34.0	39.3	42.7	45.3	45.3	46.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	2.0	34.7	40.0	43.3	46.0	46.0	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	2.0	35.3	40.7	44.0	47.3	47.3	48.7	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 10000	2.0	39.3	45.3	48.7	52.0	52.0	53.3	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 9000	2.0	40.0	46.0	49.3	52.7	52.7	54.0	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 8000	2.0	44.0	50.0	53.3	56.7	57.3	59.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	2.0	44.0	50.0	54.0	57.3	58.0	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000	2.0	44.0	50.0	54.0	57.3	58.0	60.7	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 5000	2.0	44.7	50.7	54.7	58.0	58.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4500	2.0	44.7	50.7	54.7	58.0	58.7	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4000	2.0	46.0	52.0	56.0	59.3	60.0	63.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 3500	2.0	46.7	53.3	57.3	60.7	61.3	64.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3000	2.0	48.7	55.3	59.3	62.7	63.3	66.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 2500	2.0	48.7	55.3	59.3	63.3	64.0	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 2000	2.0	50.7	57.3	61.3	65.3	66.0	70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1800	2.0	50.7	57.3	61.3	65.3	66.0	70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1500	2.0	50.7	57.3	62.0	66.0	66.7	70.7	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 1200	2.0	51.3	58.7	63.3	67.3	68.0	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 1000	2.0	52.7	60.0	64.7	68.7	69.3	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 900	2.0	52.7	60.0	64.7	68.7	69.3	74.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 800	2.0	52.7	60.0	66.0	70.7	71.3	77.3	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 700	2.0	52.7	60.7	66.7	72.0	72.7	79.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 600	2.0	52.7	61.3	67.3	73.3	74.0	80.7	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 500	2.0	52.7	62.0	68.0	75.3	76.0	82.7	84.7	86.0	86.0	86.0	86.0	86.7	86.7	86.7	86.7
≥ 400	2.0	52.7	62.0	68.0	77.3	78.0	86.0	88.7	90.0	90.7	91.3	91.3	92.0	92.0	92.0	92.0
≥ 300	2.0	52.7	62.0	68.0	77.3	78.0	86.0	88.7	90.7	92.0	92.7	92.7	94.0	94.0	94.0	94.0
≥ 200	2.0	52.7	62.0	68.0	77.3	78.0	86.0	89.3	91.3	92.7	94.7	94.7	96.7	96.7	98.7	99.3
≥ 100	2.0	52.7	62.0	68.0	77.3	78.0	86.0	89.3	91.3	92.7	94.7	94.7	96.7	96.7	99.3	100.0
0	2.0	52.7	62.0	68.0	77.3	78.0	86.0	89.3	91.3	92.7	94.7	94.7	96.7	96.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH) | 10 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	31.3	36.0	38.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	3.3	36.7	42.7	45.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 18000	3.3	36.7	42.7	45.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 16000	3.3	36.7	42.7	45.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	3.3	36.7	42.7	45.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	3.3	38.0	44.0	46.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 10000	3.3	41.3	48.7	52.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 9000	3.3	41.3	48.7	52.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 8000	3.3	44.0	51.3	54.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 7000	3.3	46.0	54.0	57.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	3.3	46.7	54.7	58.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	3.3	46.7	55.3	59.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4500	3.3	46.7	55.3	59.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4000	3.3	48.0	58.0	62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 3500	4.0	50.7	60.7	64.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3000	4.0	53.3	64.0	68.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	4.0	54.0	64.7	69.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2000	4.0	59.3	70.0	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1800	4.0	59.3	70.0	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1500	4.0	60.7	72.7	78.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200	4.0	60.7	72.7	78.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1000	4.0	62.0	74.7	80.7	83.3	83.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 900	4.0	62.7	76.0	82.0	84.7	84.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800	4.0	62.7	76.0	82.0	84.7	84.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700	4.0	62.7	76.0	83.3	86.0	86.7	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 600	4.0	62.7	76.0	83.3	87.3	88.0	89.3	90.7	90.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7
≥ 500	4.0	62.7	76.7	84.0	88.0	88.7	91.3	94.0	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	4.0	62.7	76.7	84.7	89.3	90.0	92.7	96.7	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	4.0	62.7	76.7	84.7	89.3	90.0	92.7	96.7	97.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	4.0	62.7	76.7	84.7	89.3	90.0	92.7	96.7	97.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	4.0	62.7	76.7	84.7	89.3	90.0	92.7	96.7	97.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	4.0	62.7	76.7	84.7	89.3	90.0	92.7	96.7	97.3	98.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH) | 13 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.3	31.3	35.3	37.3	37.3	37.3	37.3	37.3	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 20000	3.3	35.3	39.3	41.3	42.0	42.0	42.0	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 18000	3.3	35.3	39.3	41.3	42.0	42.0	42.0	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	3.3	35.3	39.3	41.3	42.0	42.0	42.0	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	3.3	35.3	39.3	41.3	42.0	42.0	42.0	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 12000	3.3	35.3	39.3	41.3	42.0	42.0	42.0	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 10000	3.3	37.3	42.0	44.7	45.3	45.3	45.3	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 9000	3.3	38.7	43.3	46.0	46.7	46.7	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 8000	3.3	41.3	46.0	48.7	50.0	50.0	50.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 7000	3.3	42.0	47.3	50.7	52.0	52.0	52.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 6000	3.3	44.0	49.3	52.7	54.0	54.0	54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 5000	3.3	46.0	52.7	56.0	57.3	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4500	3.3	46.0	52.7	56.0	57.3	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4000	4.0	51.3	58.7	62.7	64.7	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3500	4.0	54.7	62.0	66.0	68.0	68.0	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3000	4.0	59.3	68.7	72.7	74.7	74.7	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	4.0	62.7	72.0	76.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	4.0	66.0	76.0	80.0	82.7	82.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	4.0	66.0	76.0	80.0	82.7	82.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500	4.0	68.0	78.0	83.3	86.0	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	4.0	69.3	79.3	84.7	88.0	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1000	4.0	72.0	82.0	87.3	91.3	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	4.0	72.0	82.0	87.3	91.3	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	4.0	72.7	82.7	89.3	93.3	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	4.0	72.7	82.7	90.0	95.3	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	4.0	72.7	83.3	90.7	96.0	97.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	4.0	72.7	83.3	90.7	96.0	97.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	4.0	72.7	83.3	90.7	96.7	98.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	4.0	72.7	83.3	90.7	96.7	98.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	4.0	72.7	83.3	90.7	96.7	98.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	4.0	72.7	83.3	90.7	96.7	98.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	4.0	72.7	83.3	90.7	96.7	98.0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH) | 16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.3	34.0	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	3.3	40.0	46.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 18000	3.3	40.0	46.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 16000	3.3	40.0	46.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 14000	3.3	40.0	46.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 12000	3.3	41.3	47.3	49.3	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000	3.3	45.3	51.3	53.3	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 9000	3.3	46.0	52.0	54.0	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 8000	3.3	50.7	56.7	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	3.3	52.7	59.3	62.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	3.3	52.7	59.3	62.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	3.3	52.7	59.3	62.7	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4500	3.3	54.0	60.7	64.0	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000	4.0	56.0	62.7	66.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	4.0	58.0	64.7	68.0	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	4.0	62.7	69.3	72.7	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500	4.0	65.3	72.7	76.7	78.0	78.7	78.7	78.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	4.0	68.7	76.0	80.7	82.0	82.7	82.7	82.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	4.0	68.7	76.0	80.7	82.0	82.7	82.7	82.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500	4.0	70.7	78.0	82.7	84.0	84.7	84.7	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1200	4.0	71.3	80.0	84.7	86.0	86.7	86.7	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1000	4.0	71.3	81.3	86.7	88.0	88.7	88.7	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	4.0	72.0	82.0	87.3	88.7	89.3	90.0	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	4.0	72.0	83.3	88.7	90.0	90.7	92.7	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	4.0	72.0	83.3	89.3	90.7	91.3	93.3	95.3	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	4.0	72.0	83.3	89.3	90.7	91.3	93.3	95.3	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	4.0	72.0	83.3	89.3	90.7	91.3	94.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	4.0	72.0	83.3	89.3	90.7	91.3	94.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	4.0	72.0	83.3	90.0	91.3	92.0	94.7	97.3	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	4.0	72.0	83.3	90.0	91.3	92.0	94.7	97.3	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	4.0	72.0	83.3	90.0	91.3	92.0	94.7	97.3	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3
0	4.0	72.0	83.3	90.0	91.3	92.0	94.7	97.3	97.3	98.0	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	36.7	38.7	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	3.3	44.7	47.3	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	4.0	45.3	48.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	4.0	45.3	48.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 14000	4.0	46.0	48.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 12000	4.0	48.0	50.7	52.7	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	4.0	51.3	55.3	57.3	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	4.0	52.0	56.0	58.0	58.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 8000	4.0	58.0	62.0	64.7	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000	4.0	59.3	63.3	66.0	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 6000	4.0	61.3	65.3	68.0	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	4.0	62.0	66.0	68.7	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	4.0	62.7	66.7	69.3	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	4.0	64.7	68.7	71.3	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	4.0	64.7	68.7	71.3	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3000	4.0	68.7	73.3	76.7	78.0	78.0	78.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	4.0	68.7	73.3	76.7	79.3	79.3	80.0	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	4.0	70.7	75.3	78.7	81.3	81.3	82.0	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	4.0	70.7	75.3	78.7	81.3	81.3	82.0	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	4.0	72.0	76.7	80.0	82.7	82.7	83.3	84.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1200	4.0	72.7	77.3	81.3	84.0	84.0	84.7	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	4.0	74.0	78.7	82.7	86.0	86.0	86.7	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	4.0	74.7	79.3	83.3	86.7	86.7	87.3	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 800	4.0	75.3	80.0	84.7	88.0	88.0	88.7	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	4.0	76.7	81.3	86.0	90.0	90.0	90.7	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 600	4.0	76.7	82.0	86.7	90.7	90.7	91.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	4.0	76.7	82.7	88.0	92.0	92.7	93.3	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	4.0	76.7	82.7	88.0	92.0	92.7	93.3	95.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	4.0	76.7	82.7	88.0	92.0	92.7	93.3	95.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	4.0	76.7	82.7	88.0	92.0	92.7	93.3	95.3	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 100	4.0	76.7	82.7	88.0	92.0	92.7	93.3	95.3	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0
0	4.0	76.7	82.7	88.0	92.0	92.7	93.3	95.3	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 (HOURS (L S T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.7	44.0	46.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000		44.7	47.3	50.7	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000		44.7	47.3	50.7	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000		44.7	47.3	50.7	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000		45.3	48.0	51.3	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000		46.0	48.7	52.0	54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000		49.3	52.0	55.3	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000		49.3	52.0	55.3	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000		52.7	56.0	59.3	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000		54.0	57.3	60.7	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 6000		54.7	58.0	61.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 5000		54.7	58.0	61.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4500		56.0	59.3	62.7	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000		58.7	62.0	65.3	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3500		58.7	62.0	65.3	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 3000		60.7	65.3	68.7	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 2500		61.3	66.0	69.3	72.7	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 2000		62.0	66.7	70.7	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 1800		62.0	66.7	70.7	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 1500		63.3	68.0	72.7	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1200		63.3	68.0	72.7	76.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1000		63.3	68.0	72.7	76.7	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 900		63.3	68.0	72.7	77.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 800		64.0	69.3	76.0	80.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 700		64.7	70.0	76.7	81.3	81.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 600		66.0	73.3	81.3	86.0	86.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 500		66.7	74.7	84.0	89.3	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 400		66.7	74.7	84.0	89.3	89.3	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 300		67.3	75.3	84.7	90.0	90.0	94.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 200		67.3	75.3	84.7	90.0	90.0	94.7	94.7	96.0	96.7	97.3	97.3	98.0	98.0	98.7	98.7
≥ 100		67.3	75.3	84.7	90.0	90.0	94.7	94.7	96.0	96.7	98.0	98.0	98.7	98.7	100.0	100.0
0		67.3	75.3	84.7	90.0	90.0	94.7	94.7	96.0	96.7	98.0	98.0	98.7	98.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JUN (MONTH) ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	34.0	37.8	40.8	42.1	42.2	42.5	42.6	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 20000	1.9	38.0	42.4	45.8	47.3	47.3	47.8	47.9	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	2.0	38.1	42.5	45.8	47.3	47.4	47.8	48.0	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 16000	2.0	38.1	42.5	45.8	47.3	47.4	47.8	48.0	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 14000	2.0	38.3	42.8	46.1	47.6	47.7	48.1	48.3	48.4	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 12000	2.0	39.6	44.0	47.3	48.9	49.1	49.7	49.8	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	2.0	42.8	47.7	51.2	53.0	53.3	53.8	54.1	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 9000	2.0	43.2	48.1	51.6	53.4	53.7	54.3	54.5	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 8000	2.0	46.9	52.1	55.8	57.8	58.1	58.8	59.1	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 7000	2.0	48.0	53.5	57.6	59.6	59.9	60.7	60.9	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 6000	2.0	48.8	54.4	58.6	60.6	60.9	61.8	62.0	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	2.0	49.4	55.3	59.6	61.6	61.9	62.8	63.0	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4500	2.0	49.9	55.8	60.1	62.1	62.4	63.3	63.5	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 4000	2.2	51.9	58.3	62.6	64.8	65.2	66.1	66.3	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 3500	2.3	53.2	59.6	63.9	66.3	66.7	67.7	67.9	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3000	2.3	56.0	63.2	67.7	70.3	70.7	71.7	72.0	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 2500	2.3	56.9	64.2	68.8	71.6	72.0	73.0	73.3	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	2.3	59.1	66.5	71.3	74.3	74.7	75.8	76.1	76.5	76.8	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1800	2.3	59.1	66.5	71.3	74.3	74.7	75.8	76.1	76.5	76.8	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1500	2.3	60.2	67.9	73.2	76.1	76.6	77.7	78.1	78.5	78.8	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1200	2.3	60.8	68.3	74.1	77.1	77.7	78.8	79.3	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1000	2.3	62.1	70.3	75.8	79.2	79.8	81.3	81.9	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8
≥ 900	2.3	62.3	70.8	76.3	79.7	80.3	81.9	82.5	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 800	2.3	62.8	71.5	77.9	81.5	82.1	84.2	84.8	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7
≥ 700	2.3	63.1	71.9	78.8	82.7	83.5	85.8	86.6	87.0	87.4	87.5	87.5	87.5	87.5	87.5	87.5
≥ 600	2.3	63.4	72.8	79.8	84.2	85.1	87.4	88.5	89.1	89.7	89.8	89.8	89.8	89.8	89.8	89.8
≥ 500	2.3	63.5	73.2	80.6	85.3	86.3	89.2	90.7	91.4	92.1	92.3	92.3	92.3	92.3	92.3	92.3
≥ 400	2.3	63.7	73.4	80.9	86.0	87.0	90.5	92.3	93.2	94.0	94.3	94.3	94.4	94.4	94.4	94.4
≥ 300	2.3	63.8	73.6	81.2	86.3	87.3	91.1	92.9	94.0	95.2	95.7	95.7	96.0	96.0	96.1	96.1
≥ 200	2.3	63.8	73.6	81.2	86.3	87.4	91.3	93.3	94.4	96.0	96.8	96.8	97.8	97.8	98.5	98.6
≥ 100	2.3	63.8	73.6	81.2	86.3	87.4	91.3	93.3	94.4	96.1	97.1	97.1	98.2	98.2	99.3	99.7
≥ 0	2.3	63.8	73.6	81.2	86.3	87.4	91.3	93.3	94.4	96.1	97.1	97.1	98.2	98.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

01 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		40.0	45.8	51.0	51.6	52.9	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000		46.5	52.9	58.7	59.4	60.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000		46.5	52.9	58.7	59.4	60.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000		46.5	52.9	58.7	59.4	60.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000		46.5	53.6	59.4	60.0	61.3	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000		47.1	54.2	60.0	60.7	61.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000		50.3	57.4	63.2	63.9	65.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	69.0	69.0
≥ 9000		51.0	58.1	64.5	65.2	66.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	70.3
≥ 8000		54.8	61.9	68.4	69.0	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2
≥ 7000		54.8	61.9	68.4	69.0	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2
≥ 6000		54.8	61.9	68.4	69.0	70.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2
≥ 5000		56.1	63.2	70.3	71.0	72.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	76.1	76.1
≥ 4500		56.1	63.2	71.0	71.6	72.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.8	76.8
≥ 4000		56.8	64.5	72.3	72.9	74.2	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.7	78.7
≥ 3500		56.8	64.5	72.3	72.9	74.2	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.7	78.7
≥ 3000		58.1	65.8	73.6	74.2	75.5	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	80.0	80.0
≥ 2500		58.7	66.5	74.2	74.8	76.1	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.7	80.7
≥ 2000		58.7	67.1	74.8	75.5	76.8	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	81.3	81.3
≥ 1800		58.7	67.1	74.8	75.5	76.8	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	81.3	81.3
≥ 1500		59.4	67.7	76.1	76.8	78.1	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	82.6	82.6
≥ 1200		59.4	67.7	76.1	76.8	78.1	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	82.6	82.6
≥ 1000		59.4	68.4	76.8	77.4	78.7	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	83.2	83.2
≥ 900		59.4	68.4	76.8	77.4	78.7	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	83.2	83.2
≥ 800		60.0	69.7	78.1	78.7	80.0	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9	84.5	84.5
≥ 700		60.7	71.0	80.0	81.3	82.6	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	88.4	88.4
≥ 600		61.9	72.9	81.9	83.9	85.2	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	91.0	91.0
≥ 500		61.9	72.9	81.9	83.9	85.2	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	91.0	91.0
≥ 400		61.9	72.9	81.9	83.9	85.2	89.0	90.3	90.3	90.3	91.6	91.6	92.3	92.3	92.9	92.9
≥ 300		61.9	72.9	81.9	83.9	85.2	89.0	91.0	91.0	91.6	92.9	92.9	93.6	93.6	94.2	94.2
≥ 200		61.9	72.9	81.9	84.5	85.8	89.7	91.6	91.6	92.3	94.2	94.2	94.8	94.8	95.5	96.1
≥ 100		61.9	72.9	81.9	85.2	86.5	90.3	92.3	92.3	93.6	96.1	96.1	96.8	96.8	97.4	99.4
0		61.9	72.9	81.9	85.2	86.5	90.3	92.3	92.3	93.6	96.1	96.1	96.8	96.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JUL (MONTH) 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		29.0	34.2	38.1	43.9	43.9	45.8	47.7	47.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000		32.9	38.7	42.6	48.4	49.7	51.6	53.6	53.6	55.5	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000		32.9	38.7	42.6	48.4	49.7	51.6	53.6	53.6	55.5	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000		32.9	38.7	42.6	48.4	49.7	51.6	53.6	53.6	55.5	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000		33.6	39.4	43.2	49.0	50.3	52.3	54.2	54.2	56.1	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000		34.2	40.0	43.9	49.7	51.0	52.9	54.8	54.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000		38.1	44.5	49.0	54.8	56.1	58.1	60.0	60.0	61.9	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000		38.1	44.5	49.0	54.8	56.1	58.1	60.0	60.0	61.9	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000		40.7	47.1	51.6	57.4	58.7	60.7	62.6	62.6	64.5	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000		41.9	48.4	53.6	59.4	60.7	62.6	64.5	64.5	66.5	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000		41.9	48.4	53.6	59.4	60.7	62.6	64.5	64.5	66.5	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000		42.6	49.0	54.2	60.0	61.3	63.2	65.2	65.2	67.1	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500		42.6	49.0	54.2	60.0	61.3	63.2	65.2	65.2	67.1	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000		43.9	50.3	55.5	62.6	63.9	66.5	68.4	68.4	70.3	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500		43.9	50.3	55.5	62.6	63.9	66.5	68.4	68.4	70.3	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000		44.5	51.0	56.1	63.2	64.5	67.1	69.0	69.0	71.0	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500		44.5	51.0	56.1	63.2	64.5	67.1	69.0	69.0	71.0	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2000		45.2	52.3	57.4	65.2	66.5	69.0	71.0	71.0	72.9	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1800		45.2	52.3	57.4	65.2	66.5	69.0	71.0	71.0	72.9	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1500		45.2	52.3	57.4	65.2	66.5	69.0	71.0	71.0	72.9	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1200		46.5	53.6	58.7	66.5	67.7	70.3	72.3	72.3	74.2	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1000		47.1	54.2	59.4	67.1	68.4	71.0	72.9	72.9	75.5	78.1	78.1	78.1	78.1	78.1	78.1
≥ 900		47.1	54.2	60.0	67.7	69.0	71.6	74.2	74.2	76.8	79.4	79.4	79.4	79.4	79.4	79.4
≥ 800		47.7	55.5	61.3	69.0	70.3	72.9	75.5	75.5	78.7	81.3	81.3	81.9	81.9	81.9	81.9
≥ 700		48.4	56.1	61.9	69.7	71.0	74.2	76.8	77.4	80.7	83.2	83.2	83.9	83.9	83.9	83.9
≥ 600		49.0	56.8	62.6	71.0	72.3	76.1	78.7	79.4	82.6	85.2	85.2	85.8	85.8	85.8	85.8
≥ 500		49.0	56.8	63.2	71.6	72.9	76.8	80.0	80.7	83.9	86.5	86.5	87.1	87.1	87.1	87.1
≥ 400		49.0	57.4	64.5	72.9	74.2	78.7	82.6	83.2	87.1	90.3	90.3	91.0	91.0	91.0	91.0
≥ 300		49.0	57.4	64.5	72.9	74.2	78.7	83.2	83.9	87.7	91.6	91.6	92.9	92.9	92.9	92.9
≥ 200		49.0	57.4	64.5	72.9	74.2	78.7	83.2	83.9	88.4	93.6	93.6	96.1	96.1	96.1	96.1
≥ 100		49.0	57.4	64.5	72.9	74.2	78.7	83.2	83.9	88.4	93.6	93.6	96.8	96.8	98.1	98.7
0		49.0	57.4	64.5	72.9	74.2	78.7	83.2	83.9	88.4	93.6	93.6	97.4	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH) | 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	36.8	40.7	45.8	47.7	48.4	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	.7	36.8	42.6	49.0	51.0	51.6	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	.7	36.8	42.6	49.0	51.0	51.6	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	.7	36.8	42.6	49.0	51.0	51.6	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	.7	36.8	42.6	49.0	51.0	51.6	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	.7	37.4	43.2	49.7	51.6	52.3	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	.7	42.6	48.4	56.1	58.7	59.4	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	.7	42.6	48.4	56.1	58.7	59.4	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	.7	44.5	51.6	60.0	63.2	63.9	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	.7	44.5	51.6	60.0	63.2	63.9	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	.7	45.2	52.3	60.7	63.9	64.5	67.7	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	.7	45.8	52.9	61.9	65.2	65.8	69.0	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	.7	47.1	54.2	63.2	66.5	67.7	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4000	.7	49.0	56.1	65.2	68.4	69.7	73.6	73.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	.7	49.0	56.1	65.8	69.0	70.3	74.2	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	.7	49.7	57.4	67.1	71.0	72.9	76.8	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	.7	49.7	57.4	67.1	71.0	72.9	76.8	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	.7	51.0	58.7	68.4	72.3	74.2	78.1	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	.7	51.0	58.7	68.4	72.3	74.2	78.1	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	.7	51.6	60.0	69.7	73.6	76.1	80.0	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1200	.7	51.6	60.0	69.7	73.6	76.1	80.0	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1000	.7	52.3	60.7	71.0	74.8	77.4	81.9	82.6	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 900	.7	52.3	60.7	71.0	74.8	77.4	82.6	83.2	83.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 800	.7	52.9	61.3	72.3	76.1	78.7	83.9	85.2	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	.7	52.9	61.3	72.3	76.1	78.7	83.9	85.2	86.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 600	.7	53.6	62.6	73.6	77.4	80.0	85.8	87.1	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	.7	53.6	62.6	73.6	78.1	80.7	87.1	88.4	89.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400	.7	53.6	62.6	74.2	79.4	81.9	88.4	89.7	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	.7	53.6	62.6	74.2	79.4	81.9	88.4	90.3	92.3	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	.7	53.6	62.6	74.2	79.4	81.9	88.4	90.3	92.3	96.1	97.4	97.4	97.4	97.4	99.4	99.4
≥ 100	.7	53.6	62.6	74.2	79.4	81.9	88.4	90.3	92.3	96.1	97.4	97.4	97.4	97.4	99.4	100.0
0	.7	53.6	62.6	74.2	79.4	81.9	88.4	90.3	92.3	96.1	97.4	97.4	97.4	97.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

10 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	43.2	49.0	52.9	54.8	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	1.3	46.5	52.3	57.4	60.0	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	1.3	46.5	52.3	57.4	60.0	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	1.3	46.5	52.3	57.4	60.0	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	1.3	46.5	52.3	57.4	60.0	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	1.3	47.1	52.9	58.1	60.7	60.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	1.3	51.0	56.8	61.9	64.5	64.5	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	1.3	51.6	57.4	62.6	65.2	65.2	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	1.3	52.3	58.1	63.2	66.5	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	1.3	52.3	58.1	63.2	66.5	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	1.3	52.9	58.7	63.9	67.1	67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	1.3	52.9	58.7	63.9	67.1	67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	1.3	53.6	59.4	64.5	67.7	68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	1.3	55.5	61.3	68.4	71.6	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	1.3	56.1	61.9	69.0	72.3	72.9	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	1.3	58.7	65.2	72.9	76.1	76.8	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	1.3	60.7	67.1	74.8	78.1	78.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	1.3	64.5	71.0	78.7	82.6	83.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	1.3	64.5	71.0	78.7	82.6	83.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	1.3	65.8	73.6	81.9	85.8	86.5	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	1.3	65.8	74.2	82.6	87.7	88.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	1.3	65.8	74.2	83.2	88.4	89.0	91.0	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	1.3	65.8	74.2	83.2	89.0	89.7	91.6	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	1.3	66.5	74.8	83.9	89.7	90.3	92.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	1.3	66.5	75.5	85.2	91.0	91.6	94.2	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	1.3	66.5	75.5	85.2	91.0	91.6	94.2	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	1.3	66.5	75.5	85.2	91.0	91.6	94.2	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	1.3	66.5	75.5	85.2	91.0	91.6	94.2	95.5	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	1.3	66.5	75.5	85.2	91.0	91.6	94.2	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	1.3	66.5	75.5	85.2	91.0	91.6	94.2	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	1.3	66.5	75.5	85.2	91.0	91.6	94.2	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4
0	1.3	66.5	76.1	85.8	91.6	92.3	94.8	96.8	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

13 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	34.8	37.4	39.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	.7	41.3	46.5	49.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	.7	41.3	46.5	49.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	.7	41.3	46.5	49.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	.7	41.3	46.5	49.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000	.7	41.9	48.4	51.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	.7	44.5	51.0	54.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	.7	44.5	51.6	54.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	.7	46.5	54.2	57.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	.7	46.5	54.2	57.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	.7	47.7	56.1	59.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	.7	47.7	56.8	60.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	.7	48.4	57.4	60.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000	.7	52.9	63.9	67.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	.7	56.8	69.0	72.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	1.3	62.6	76.8	80.0	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	1.3	63.2	78.1	81.3	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	1.3	65.8	81.3	84.5	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	1.3	66.5	81.9	85.2	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	1.3	69.7	85.2	89.0	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	1.3	69.7	85.2	89.0	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	1.3	69.7	85.2	89.7	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	1.3	69.7	85.2	89.7	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	1.3	69.7	85.2	90.3	95.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	1.3	69.7	85.2	90.3	95.5	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	1.3	69.7	85.2	90.3	95.5	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	1.3	69.7	85.2	90.3	95.5	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	1.3	69.7	85.2	90.3	95.5	97.4	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 300	1.3	69.7	85.2	90.3	95.5	97.4	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	1.3	69.7	85.2	90.3	95.5	97.4	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	1.3	69.7	85.2	90.3	95.5	97.4	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 0	1.3	69.7	85.2	90.3	95.5	97.4	98.1	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JUL (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	43.2	47.1	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	.7	47.7	52.3	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	.7	47.7	52.3	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	.7	47.7	52.3	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	.7	47.7	52.3	55.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	.7	49.7	54.2	57.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	.7	53.6	59.4	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	.7	54.2	60.0	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	.7	54.2	60.7	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	.7	54.2	60.7	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	.7	54.2	60.7	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	.7	54.2	60.7	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4500	.7	54.2	60.7	65.2	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	.7	56.8	64.5	69.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	.7	60.7	69.7	76.1	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	1.3	66.5	76.8	83.9	86.5	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2500	1.3	67.1	78.1	85.2	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	1.3	69.7	80.7	87.7	90.3	90.3	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	1.3	69.7	80.7	87.7	90.3	90.3	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	1.3	69.7	82.6	90.3	92.9	93.6	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	1.3	69.7	82.6	90.3	92.9	93.6	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	1.3	70.3	83.2	91.0	93.6	94.2	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	1.3	70.3	83.2	91.0	93.6	94.2	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	1.3	70.3	83.2	91.0	94.2	94.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	1.3	70.3	83.2	91.0	94.2	94.8	96.8	96.8	96.8	98.1	98.1	98.1	98.7	98.7	98.7	98.7
≥ 600	1.3	70.3	83.2	91.0	94.2	94.8	96.8	96.8	96.8	98.1	98.1	98.1	98.7	98.7	98.7	98.7
≥ 500	1.3	70.3	83.2	91.0	94.2	94.8	96.8	96.8	97.4	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 400	1.3	70.3	83.2	91.0	94.2	94.8	96.8	96.8	97.4	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 300	1.3	70.3	83.2	91.0	94.2	94.8	96.8	96.8	97.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	1.3	70.3	83.2	91.0	94.2	94.8	96.8	96.8	97.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	1.3	70.3	83.2	91.0	94.2	94.8	96.8	96.8	97.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
0	1.3	70.3	83.2	91.0	94.2	94.8	96.8	96.8	97.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH) | 19 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		41.9	45.8	49.0	51.6	52.3	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000		52.3	56.8	61.3	64.5	65.2	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 18000		52.3	56.8	61.3	64.5	65.2	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 16000		52.3	56.8	61.3	64.5	65.2	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 14000		52.3	56.8	61.3	64.5	65.2	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000		53.6	59.4	63.9	67.1	67.7	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 10000		56.8	63.2	67.7	71.0	71.6	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 9000		56.8	63.2	67.7	71.0	71.6	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000		60.0	66.5	71.6	74.8	75.5	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000		60.7	67.1	72.3	75.5	76.1	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000		60.7	67.1	72.3	76.1	76.8	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000		61.3	67.7	72.9	76.8	77.4	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500		62.6	69.0	74.8	78.7	79.4	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000		63.9	70.3	76.1	80.0	80.7	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500		63.9	70.3	76.1	80.7	82.6	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	.7	66.5	72.9	78.7	83.9	85.8	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	.7	67.1	73.6	79.4	84.5	86.5	88.4	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	.7	67.1	73.6	79.4	84.5	86.5	88.4	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	.7	67.1	73.6	79.4	84.5	86.5	88.4	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	.7	67.1	73.6	79.4	84.5	86.5	88.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1200	.7	67.1	73.6	79.4	84.5	86.5	88.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	.7	68.4	74.8	81.3	86.5	88.4	90.3	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	.7	68.4	74.8	81.3	86.5	88.4	90.3	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	.7	68.4	74.8	81.3	86.5	88.4	90.3	92.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	.7	68.4	74.8	81.3	86.5	88.4	90.3	92.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	.7	68.4	74.8	81.9	87.1	89.0	91.0	92.9	92.9	94.2	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	.7	68.4	75.5	83.2	88.4	91.0	92.9	94.8	94.8	96.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	.7	68.4	75.5	83.2	88.4	91.0	92.9	94.8	94.8	96.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	.7	68.4	75.5	83.2	88.4	91.0	92.9	94.8	94.8	96.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	.7	68.4	75.5	83.2	88.4	91.0	92.9	94.8	95.5	96.8	99.4	99.4	99.4	99.4	99.4	100.0
≥ 100	.7	68.4	75.5	83.2	88.4	91.0	92.9	94.8	95.5	96.8	99.4	99.4	99.4	99.4	99.4	100.0
0	.7	68.4	75.5	83.2	88.4	91.0	92.9	94.8	95.5	96.8	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	46.5	52.3	56.1	60.0	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	.7	51.0	56.8	61.9	65.8	65.8	66.5	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	.7	51.0	56.8	61.9	65.8	65.8	66.5	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	.7	51.0	56.8	61.9	65.8	65.8	66.5	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	.7	51.0	57.4	62.6	66.5	66.5	67.1	67.7	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	.7	52.9	60.0	65.2	69.0	69.0	69.7	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	.7	56.8	64.5	69.7	74.2	74.2	74.8	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	.7	56.8	64.5	70.3	74.8	74.8	75.5	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8
≥ 8000	.7	60.0	67.7	73.6	78.1	78.1	78.7	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000	.7	60.7	68.4	74.2	78.7	78.7	79.4	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	.7	60.7	69.0	75.5	80.0	80.0	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	.7	61.9	70.3	76.8	81.3	81.3	81.9	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	.7	61.9	70.3	76.8	81.3	81.3	81.9	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	.7	62.6	71.0	77.4	81.9	81.9	82.6	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	.7	63.2	71.6	78.1	82.6	82.6	83.2	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	.7	63.2	71.6	78.1	82.6	82.6	83.2	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	.7	63.2	71.6	78.1	82.6	82.6	83.2	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	.7	63.2	71.6	78.1	82.6	82.6	83.2	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	.7	63.2	71.6	78.1	82.6	82.6	83.2	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	.7	63.9	72.3	79.4	83.9	83.9	84.5	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	.7	64.5	72.9	80.0	84.5	84.5	85.2	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	.7	64.5	74.2	81.9	86.5	86.5	87.1	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	.7	64.5	74.2	81.9	86.5	86.5	87.1	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800	.7	65.2	74.8	83.2	87.7	87.7	88.4	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	.7	66.5	76.1	84.5	89.0	89.0	89.7	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	.7	66.5	76.1	84.5	89.0	89.0	91.0	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	.7	67.1	76.8	85.2	89.7	89.7	91.6	93.6	93.6	93.6	94.2	94.2	94.8	94.8	94.8	94.8
≥ 400	.7	67.1	76.8	85.2	89.7	89.7	92.9	94.8	94.8	94.8	95.5	95.5	96.1	96.1	96.1	96.1
≥ 300	.7	67.1	76.8	85.2	89.7	89.7	92.9	94.8	94.8	94.8	95.5	95.5	96.1	96.1	96.1	96.1
≥ 200	.7	67.1	76.8	85.2	89.7	89.7	92.9	94.8	94.8	94.8	96.1	96.8	97.4	97.4	97.4	97.4
≥ 100	.7	67.1	76.8	85.2	89.7	89.7	92.9	94.8	94.8	95.5	96.8	97.4	98.7	98.7	99.4	100.0
0	.7	67.1	76.8	85.2	89.7	89.7	92.9	94.8	94.8	95.5	96.8	97.4	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.5	39.2	44.0	47.8	50.2	50.6	51.6	52.0	52.0	52.3	52.4	52.4	52.4	52.4	52.4	52.4
≥ 20000	.5	44.4	49.8	54.4	57.1	57.6	58.6	59.0	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.6
≥ 18000	.5	44.4	49.8	54.4	57.1	57.6	58.6	59.0	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.6
≥ 16000	.5	44.4	49.8	54.4	57.1	57.6	58.6	59.0	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.6
≥ 14000	.5	44.4	50.1	54.7	57.3	57.8	58.9	59.3	59.3	59.7	59.8	59.8	59.8	59.8	59.8	59.8
≥ 12000	.5	45.5	51.5	56.1	58.8	59.3	60.3	60.7	60.7	61.1	61.4	61.4	61.4	61.4	61.4	61.4
≥ 10000	.5	49.2	55.7	60.7	63.5	64.0	65.1	65.5	65.5	65.9	66.1	66.1	66.1	66.1	66.2	66.2
≥ 9000	.5	49.4	56.0	61.1	64.0	64.4	65.6	66.0	66.0	66.4	66.6	66.6	66.6	66.6	66.7	66.7
≥ 8000	.5	51.6	58.5	63.8	66.9	67.4	68.8	69.2	69.2	69.6	69.8	69.8	69.8	69.8	69.9	69.9
≥ 7000	.5	51.9	58.8	64.2	67.3	67.8	69.2	69.6	69.6	70.0	70.2	70.2	70.2	70.2	70.3	70.3
≥ 6000	.5	52.3	59.3	64.8	68.0	68.6	69.9	70.3	70.3	70.7	71.0	71.0	71.0	71.0	71.1	71.1
≥ 5000	.5	52.8	59.9	65.7	68.9	69.4	70.8	71.2	71.2	71.6	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4500	.5	53.3	60.4	66.3	69.6	70.2	71.8	72.2	72.2	72.6	72.8	72.8	72.8	72.8	72.9	72.9
≥ 4000	.5	55.2	62.7	68.9	72.4	73.1	74.8	75.2	75.2	75.7	76.0	76.0	76.0	76.0	76.1	76.1
≥ 3500	.5	56.3	64.2	70.7	74.3	75.1	76.9	77.3	77.4	77.8	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3000	.7	58.7	67.2	73.8	77.7	78.7	80.7	81.1	81.1	81.5	81.9	81.9	81.9	81.9	82.0	82.0
≥ 2500	.7	59.3	67.9	74.5	78.5	79.4	81.5	81.9	82.0	82.4	82.8	82.8	82.8	82.8	82.9	82.9
≥ 2000	.7	60.7	69.5	76.1	80.3	81.3	83.3	83.8	83.9	84.4	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800	.7	60.7	69.6	76.2	80.4	81.4	83.4	83.9	84.0	84.4	84.8	84.8	84.8	[illegible].8	84.9	84.9
≥ 1500	.7	61.5	70.9	77.9	82.1	83.2	85.3	86.0	86.1	86.5	87.0	87.0	87.0	87.0	87.1	87.1
≥ 1200	.7	61.8	71.2	78.2	82.6	83.7	85.8	86.5	86.5	87.0	87.5	87.5	87.5	87.5	87.6	87.6
≥ 1000	.7	62.2	71.9	79.3	83.6	84.8	86.9	87.7	88.0	88.7	89.2	89.2	89.2	89.2	89.3	89.3
≥ 900	.7	62.2	71.9	79.4	83.8	84.9	87.2	88.1	88.3	89.1	89.6	89.6	89.6	89.6	89.7	89.7
≥ 800	.7	62.6	72.4	80.2	84.7	85.9	88.2	89.3	89.5	90.4	91.0	91.0	91.1	91.1	91.1	91.1
≥ 700	.7	62.9	72.9	80.8	85.4	86.6	89.1	90.3	90.8	91.8	92.3	92.3	92.5	92.5	92.6	92.6
≥ 600	.7	63.2	73.4	81.4	86.1	87.3	90.2	91.4	91.9	92.8	93.5	93.5	93.6	93.6	93.7	93.7
≥ 500	.7	63.3	73.6	81.7	86.5	87.9	90.8	92.1	92.7	94.0	94.7	94.7	94.9	94.9	95.0	95.0
≥ 400	.7	63.3	73.6	81.9	86.9	88.2	91.4	92.9	93.6	95.0	95.9	95.9	96.3	96.3	96.4	96.4
≥ 300	.7	63.3	73.6	81.9	86.9	88.2	91.4	93.2	93.8	95.4	96.6	96.6	97.1	97.1	97.2	97.2
≥ 200	.7	63.3	73.6	81.9	86.9	88.3	91.5	93.3	94.0	95.7	97.3	97.4	98.1	98.1	98.4	98.6
≥ 100	.7	63.3	73.6	81.9	87.0	88.4	91.5	93.4	94.1	96.0	97.7	97.7	98.6	98.6	99.1	99.7
0	.7	63.3	73.7	82.0	87.1	88.5	91.6	93.5	94.2	96.1	97.7	97.8	98.7	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH) | 01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	45.2	51.6	54.8	57.4	57.4	58.1	58.1	58.1	58.7	58.7	58.7	59.4	59.4	59.4	59.4
≥ 20000	.7	50.3	57.4	60.7	63.2	63.2	63.9	63.9	63.9	64.5	65.2	65.2	65.8	65.8	65.8	65.8
≥ 18000	.7	50.3	57.4	60.7	63.2	63.2	63.9	63.9	63.9	64.5	65.2	65.2	65.8	65.8	65.8	65.8
≥ 16000	.7	50.3	57.4	60.7	63.2	63.2	63.9	63.9	63.9	64.5	65.2	65.2	65.8	65.8	65.8	65.8
≥ 14000	.7	50.3	57.4	60.7	63.2	63.2	63.9	63.9	63.9	64.5	65.2	65.2	65.8	65.8	65.8	65.8
≥ 12000	.7	50.3	57.4	60.7	63.2	63.2	63.9	63.9	63.9	64.5	65.2	65.2	65.8	65.8	65.8	65.8
≥ 10000	.7	52.9	60.7	65.2	67.7	67.7	68.4	68.4	68.4	69.0	69.7	69.7	70.3	70.3	70.3	70.3
≥ 9000	.7	52.9	60.7	65.2	67.7	67.7	68.4	68.4	68.4	69.0	69.7	69.7	70.3	70.3	70.3	70.3
≥ 8000	.7	54.2	62.6	67.1	69.7	69.7	71.0	71.0	71.0	71.6	72.3	72.3	72.9	72.9	72.9	72.9
≥ 7000	.7	54.8	63.2	67.7	70.3	70.3	71.6	71.6	71.6	72.3	72.9	72.9	73.6	73.6	73.6	73.6
≥ 6000	.7	55.5	63.9	68.4	71.0	71.0	72.3	72.3	72.3	72.9	73.6	73.6	74.2	74.2	74.2	74.2
≥ 5000	.7	55.5	63.9	68.4	71.0	71.0	72.3	72.3	72.3	72.9	73.6	73.6	74.2	74.2	74.2	74.2
≥ 4500	.7	55.5	63.9	68.4	71.0	71.0	72.3	72.3	72.3	72.9	73.6	73.6	74.2	74.2	74.2	74.2
≥ 4000	.7	56.1	66.5	71.0	73.6	73.6	74.8	74.8	74.8	75.5	76.1	76.1	76.8	76.8	76.8	76.8
≥ 3500	.7	56.1	66.5	71.0	73.6	73.6	74.8	74.8	74.8	75.5	76.1	76.1	76.8	76.8	76.8	76.8
≥ 3000	.7	56.1	66.5	71.0	73.6	73.6	74.8	74.8	74.8	75.5	76.1	76.1	76.8	76.8	76.8	76.8
≥ 2500	.7	56.1	66.5	71.0	73.6	73.6	74.8	74.8	74.8	75.5	76.1	76.1	76.8	76.8	76.8	76.8
≥ 2000	.7	56.8	67.1	72.3	74.8	74.8	76.8	76.8	76.8	77.4	78.1	78.1	78.7	78.7	78.7	78.7
≥ 1800	.7	56.8	67.1	72.3	74.8	74.8	76.8	76.8	76.8	77.4	78.1	78.1	78.7	78.7	78.7	78.7
≥ 1500	.7	57.4	68.4	74.8	77.4	77.4	80.0	80.0	80.0	80.7	81.3	81.3	81.9	81.9	81.9	81.9
≥ 1200	.7	57.4	68.4	74.8	77.4	77.4	80.0	80.0	80.0	80.7	81.3	81.3	81.9	81.9	81.9	81.9
≥ 1000	.7	57.4	69.0	76.1	78.7	78.7	81.3	81.3	81.3	81.9	82.6	82.6	83.2	83.2	83.2	83.2
≥ 900	.7	57.4	69.0	76.1	78.7	78.7	81.3	81.3	81.3	81.9	82.6	82.6	83.2	83.2	83.2	83.2
≥ 800	.7	57.4	69.7	76.8	79.4	79.4	81.9	82.6	82.6	83.2	83.9	83.9	84.5	84.5	84.5	84.5
≥ 700	.7	58.1	70.3	77.4	80.7	80.7	83.2	83.9	83.9	84.5	85.2	85.2	85.8	85.8	85.8	85.8
≥ 600	.7	58.7	71.0	78.1	81.3	81.3	84.5	85.2	85.2	85.8	86.5	86.5	87.1	87.1	87.1	87.1
≥ 500	.7	59.4	72.3	79.4	82.6	82.6	85.8	86.5	86.5	87.1	87.7	87.7	88.4	88.4	88.4	88.4
≥ 400	.7	59.4	72.3	80.7	85.2	85.2	90.3	91.0	91.0	91.6	92.3	92.3	93.6	93.6	93.6	93.6
≥ 300	.7	59.4	72.3	80.7	85.2	86.5	91.6	92.3	92.3	92.9	93.6	93.6	94.8	94.8	94.8	94.8
≥ 200	.7	59.4	72.3	80.7	85.2	86.5	92.3	92.9	92.9	94.2	95.5	96.1	97.4	97.4	98.1	98.7
≥ 100	.7	59.4	72.3	80.7	85.2	86.5	92.3	92.9	92.9	94.2	95.5	96.1	97.4	97.4	98.7	99.4
0	.7	59.4	72.3	80.7	85.2	86.5	92.3	92.9	92.9	94.2	95.5	96.1	97.4	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH) | 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	42.6	49.7	52.9	54.2	54.8	55.5	55.5	55.5	55.5	56.1	56.1	56.1	56.8	56.8	57.4
≥ 20000	.7	43.2	51.6	56.1	58.1	58.7	60.0	60.7	60.7	60.7	61.9	61.9	61.9	62.6	62.6	63.2
≥ 18000	.7	43.2	51.6	56.1	58.1	58.7	60.0	60.7	60.7	60.7	61.9	61.9	61.9	62.6	62.6	63.2
≥ 16000	.7	43.2	51.6	56.1	58.1	58.7	60.0	60.7	60.7	60.7	61.9	61.9	61.9	62.6	62.6	63.2
≥ 14000	.7	43.2	51.6	56.1	58.1	58.7	60.0	60.7	60.7	60.7	61.9	61.9	61.9	62.6	62.6	63.2
≥ 12000	.7	43.9	52.9	57.4	59.4	60.0	61.3	61.9	61.9	61.9	63.2	63.2	63.2	63.9	63.9	64.5
≥ 10000	.7	46.5	55.5	60.0	62.6	63.2	64.5	65.2	65.2	65.2	66.5	66.5	66.5	67.1	67.1	67.7
≥ 9000	.7	47.1	56.1	60.7	63.2	63.9	65.2	65.8	65.8	65.8	67.1	67.1	67.1	67.7	67.7	68.4
≥ 8000	.7	47.1	56.1	61.3	63.9	64.5	65.8	66.5	66.5	66.5	67.7	67.7	67.7	68.4	68.4	69.0
≥ 7000	.7	47.7	56.8	61.9	64.5	65.2	66.5	67.1	67.1	67.1	68.4	68.4	68.4	69.0	69.0	69.7
≥ 6000	.7	48.4	57.4	62.6	65.2	65.8	67.1	67.7	67.7	67.7	69.0	69.0	69.0	69.7	69.7	70.3
≥ 5000	.7	49.7	58.7	63.9	66.5	67.1	68.4	69.0	69.0	69.0	70.3	70.3	70.3	71.0	71.0	71.6
≥ 4500	.7	49.7	58.7	63.9	66.5	67.1	68.4	69.0	69.0	69.0	70.3	70.3	70.3	71.0	71.0	71.6
≥ 4000	.7	50.3	59.4	64.5	67.1	67.7	69.0	69.7	69.7	69.7	71.0	71.0	71.0	71.6	71.6	72.3
≥ 3500	.7	50.3	59.4	64.5	67.1	67.7	69.0	69.7	69.7	70.3	71.6	71.6	71.6	72.3	72.3	72.9
≥ 3000	.7	50.3	59.4	65.2	68.4	69.0	71.0	71.6	71.6	72.3	73.6	73.6	73.6	74.2	74.2	74.8
≥ 2500	.7	50.3	60.0	65.8	69.0	69.7	71.6	72.3	72.3	72.9	74.2	74.2	74.2	74.8	74.8	75.5
≥ 2000	.7	50.3	60.0	66.5	69.7	70.3	72.3	72.9	72.9	73.6	74.8	74.8	74.8	75.5	75.5	76.1
≥ 1800	.7	51.0	60.7	67.1	70.3	71.0	72.9	73.6	73.6	74.2	75.5	75.5	75.5	76.1	76.1	76.8
≥ 1500	.7	51.6	61.3	68.4	71.6	72.3	74.8	75.5	75.5	76.1	77.4	77.4	77.4	78.1	78.1	78.7
≥ 1200	.7	51.6	61.3	68.4	71.6	72.3	74.8	75.5	75.5	76.1	77.4	77.4	77.4	78.1	78.1	78.7
≥ 1000	.7	52.3	63.2	70.3	74.8	75.5	78.1	78.7	78.7	79.4	80.7	80.7	80.7	81.3	81.3	81.9
≥ 900	.7	52.3	63.2	71.0	75.5	76.1	78.7	79.4	79.4	80.0	81.3	81.3	81.3	81.9	81.9	82.6
≥ 800	.7	52.3	63.9	71.6	76.8	77.4	80.7	81.3	81.3	81.9	83.2	83.2	83.2	83.9	83.9	84.5
≥ 700	.7	52.3	63.9	71.6	76.8	77.4	81.3	81.9	81.9	83.2	84.5	84.5	84.5	85.2	85.2	85.8
≥ 600	.7	52.3	64.5	72.9	78.7	79.4	83.2	83.9	83.9	85.8	87.1	87.1	87.1	87.7	87.7	88.4
≥ 500	.7	52.9	65.8	74.2	80.0	80.7	85.2	85.8	85.8	87.7	89.7	89.7	89.7	90.3	90.3	91.0
≥ 400	.7	52.9	65.8	74.2	80.7	81.3	87.1	87.7	87.7	89.7	91.6	91.6	91.6	92.3	92.3	92.9
≥ 300	.7	52.9	66.5	75.5	82.6	83.2	89.7	91.0	91.0	92.9	94.8	94.8	94.8	95.5	95.5	96.1
≥ 200	.7	52.9	66.5	75.5	82.6	83.2	89.7	91.0	91.0	93.6	95.5	95.5	96.8	97.4	97.4	98.7
≥ 100	.7	52.9	66.5	75.5	82.6	83.2	89.7	91.0	91.0	93.6	95.5	95.5	97.4	98.1	98.1	100.0
≥ 0	.7	52.9	66.5	75.5	82.6	83.2	89.7	91.0	91.0	93.6	95.5	95.5	97.4	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH) | 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		34.2	38.1	43.2	48.4	50.3	52.3	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.8
≥ 20000		35.5	40.0	45.8	52.3	54.2	56.1	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.7
≥ 18000		35.5	40.0	45.8	52.3	54.2	56.1	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.7
≥ 16000		35.5	40.0	45.8	52.3	54.2	56.1	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.7
≥ 14000		35.5	40.7	46.5	52.9	54.8	56.8	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	61.3
≥ 12000		36.8	41.9	47.7	54.2	56.1	58.1	60.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	62.6
≥ 10000		38.7	45.8	54.2	61.3	63.2	65.2	67.7	69.0	69.7	69.7	69.7	69.7	69.7	69.7	70.3
≥ 9000		39.4	46.5	54.8	61.9	63.9	65.8	68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	71.0
≥ 8000		40.7	49.0	57.4	64.5	66.5	68.4	71.0	72.3	72.9	73.6	73.6	73.6	73.6	73.6	74.2
≥ 7000		41.9	50.3	58.7	65.8	67.7	69.7	72.3	73.6	74.2	74.8	74.8	74.8	74.8	74.8	75.5
≥ 6000		42.6	51.0	59.4	66.5	68.4	70.3	72.9	74.2	74.8	75.5	75.5	75.5	75.5	75.5	76.1
≥ 5000		43.2	51.6	60.7	67.7	69.7	72.3	74.8	76.1	76.8	77.4	77.4	77.4	77.4	77.4	78.1
≥ 4500		43.2	51.6	60.7	67.7	69.7	72.3	74.8	76.1	76.8	77.4	77.4	77.4	77.4	77.4	78.1
≥ 4000		43.9	52.9	61.9	69.0	71.0	73.6	76.8	78.1	78.7	79.4	79.4	79.4	79.4	79.4	80.0
≥ 3500		44.5	53.6	62.6	69.7	71.6	74.2	77.4	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.7
≥ 3000		44.5	53.6	62.6	69.7	71.6	74.8	78.1	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.9
≥ 2500		44.5	53.6	62.6	69.7	71.6	74.8	78.1	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.9
≥ 2000		44.5	53.6	62.6	69.7	71.6	74.8	78.1	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.9
≥ 1800		44.5	53.6	62.6	69.7	71.6	74.8	78.1	79.4	80.7	81.3	81.3	81.3	81.3	81.3	81.9
≥ 1500		44.5	53.6	62.6	69.7	71.6	74.8	78.7	80.7	81.9	82.6	82.6	82.6	82.6	82.6	83.2
≥ 1200		44.5	53.6	62.6	69.7	71.6	74.8	78.7	80.7	81.9	82.6	82.6	82.6	82.6	82.6	83.2
≥ 1000		44.5	53.6	62.6	69.7	71.6	74.8	78.7	80.7	81.9	82.6	82.6	82.6	82.6	83.2	83.9
≥ 900		44.5	53.6	62.6	69.7	71.6	74.8	78.7	80.7	81.9	82.6	82.6	82.6	82.6	83.2	83.9
≥ 800		44.5	53.6	62.6	70.3	72.3	75.5	79.4	81.3	82.6	83.2	83.2	83.2	83.2	83.9	84.5
≥ 700		44.5	53.6	62.6	70.3	72.3	75.5	79.4	81.3	83.2	83.9	83.9	83.9	83.9	84.5	85.2
≥ 600		44.5	53.6	63.2	71.0	72.9	76.1	80.7	82.6	84.5	85.2	85.2	85.2	85.2	85.8	86.5
≥ 500		44.5	54.2	63.9	72.3	74.2	77.4	83.9	87.1	89.0	89.7	89.7	89.7	89.7	90.3	91.0
≥ 400		44.5	54.2	63.9	72.3	74.2	77.4	83.9	87.1	91.0	92.3	92.3	92.3	92.3	92.9	93.6
≥ 300		44.5	54.2	63.9	72.3	74.2	78.1	85.2	88.4	92.9	94.8	94.8	95.5	95.5	96.1	96.8
≥ 200		44.5	54.2	63.9	72.3	74.2	78.1	85.2	88.4	92.9	94.8	94.8	96.8	96.8	98.1	98.7
≥ 100		44.5	54.2	63.9	72.3	74.2	78.1	85.2	88.4	92.9	94.8	94.8	96.8	96.8	98.7	100.0
0		44.5	54.2	63.9	72.3	74.2	78.1	85.2	88.4	92.9	94.8	94.8	96.8	96.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	42.6	44.5	53.6	58.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	.7	45.8	48.4	58.7	63.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000	.7	45.8	48.4	58.7	63.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	.7	45.8	48.4	58.7	63.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	.7	46.5	49.0	60.0	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000	.7	47.7	50.3	61.3	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000	.7	51.6	56.1	67.7	72.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	.7	51.6	56.1	67.7	72.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	.7	52.9	58.1	69.7	74.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 7000	.7	53.6	58.7	71.0	76.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	.7	53.6	59.4	71.6	76.8	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	.7	54.2	60.0	72.3	77.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	.7	54.8	60.7	72.9	78.1	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	.7	54.8	60.7	72.9	78.1	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	.7	55.5	61.3	73.6	78.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000	.7	56.1	61.9	74.2	79.4	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	.7	56.8	63.2	75.5	80.7	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	.7	56.8	63.2	75.5	80.7	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	.7	56.8	63.2	75.5	80.7	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	.7	56.8	63.2	76.8	81.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200	.7	57.4	63.9	78.1	83.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	.7	58.7	65.2	79.4	84.5	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	.7	58.7	65.2	79.4	84.5	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	.7	59.4	66.5	81.9	87.7	90.3	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	.7	60.0	67.1	82.6	88.4	91.0	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600	.7	60.0	67.1	82.6	88.4	91.6	92.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	.7	60.0	67.1	82.6	88.4	91.6	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	.7	60.0	67.1	82.6	88.4	91.6	93.6	96.8	96.8	97.4	97.4	97.4	97.4	98.1	98.1	98.1
≥ 300	.7	60.0	67.1	82.6	88.4	91.6	93.6	96.8	96.8	98.1	98.7	98.7	98.7	99.4	99.4	99.4
≥ 200	.7	60.0	67.1	82.6	88.4	91.6	93.6	96.8	96.8	98.7	99.4	99.4	99.4	100.0	100.0	100.0
≥ 100	.7	60.0	67.1	82.6	88.4	91.6	93.6	96.8	96.8	98.7	99.4	99.4	99.4	100.0	100.0	100.0
0	.7	60.0	67.1	82.6	88.4	91.6	93.6	96.8	96.8	98.7	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH) | 13 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	39.4	45.2	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	.7	44.5	50.3	56.8	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000	.7	44.5	50.3	56.8	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	.7	44.5	50.3	56.8	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	.7	45.2	51.0	57.4	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000	.7	45.2	51.0	57.4	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	.7	47.7	54.2	61.3	62.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	.7	47.7	54.2	61.3	62.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	.7	50.3	56.8	64.5	65.8	66.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	.7	51.6	58.1	65.8	67.1	67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	.7	51.6	58.7	66.5	68.4	69.0	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	.7	51.6	58.7	67.1	69.0	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	.7	51.6	58.7	67.1	69.0	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	.7	53.6	60.7	69.7	72.3	72.9	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	.7	54.8	62.6	71.6	74.2	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	.7	58.7	66.5	76.1	79.4	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	.7	60.7	68.4	78.7	82.6	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000	.7	63.9	71.6	81.9	85.8	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	.7	63.9	71.6	81.9	85.8	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	.7	65.8	73.6	83.9	88.4	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1200	.7	67.1	74.8	85.2	89.7	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	.7	67.1	74.8	85.2	89.7	90.3	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	.7	67.1	74.8	85.2	89.7	90.3	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	.7	67.1	74.8	85.2	91.0	91.6	92.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	.7	67.1	74.8	85.2	91.0	91.6	92.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	.7	67.1	74.8	85.2	91.0	91.6	92.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	.7	67.1	74.8	85.8	91.6	92.3	94.2	95.5	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	.7	67.1	74.8	85.8	91.6	92.3	94.2	95.5	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	.7	67.1	74.8	85.8	91.6	92.3	94.2	96.1	97.4	97.4	98.7	98.7	98.7	100.0	100.0	100.0
≥ 200	.7	67.1	74.8	85.8	91.6	92.3	94.2	96.1	97.4	97.4	98.7	98.7	98.7	100.0	100.0	100.0
≥ 100	.7	67.1	74.8	85.8	91.6	92.3	94.2	96.1	97.4	97.4	98.7	98.7	98.7	100.0	100.0	100.0
0	.7	67.1	74.8	85.8	91.6	92.3	94.2	96.1	97.4	97.4	98.7	98.7	98.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) AUG (MONTH) 16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	38.7	42.6	47.1	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	1.9	47.7	51.6	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	1.9	47.7	51.6	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	1.9	47.7	51.6	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	1.9	47.7	51.6	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	1.9	48.4	52.9	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	1.9	51.6	56.1	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	1.9	52.3	56.8	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	1.9	56.8	61.3	66.5	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	1.9	58.1	62.6	67.7	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	1.9	60.7	65.2	70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	1.9	61.3	65.8	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	1.9	61.3	65.8	71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	1.9	62.6	67.1	72.9	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	1.9	63.2	68.4	74.2	76.1	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	1.9	68.4	74.2	80.7	83.9	84.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	1.9	69.0	74.8	81.3	84.5	85.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	1.9	69.7	75.5	82.6	85.8	86.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	1.9	69.7	75.5	82.6	85.8	86.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	1.9	70.3	76.1	83.2	86.5	87.1	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	1.9	71.0	76.8	83.9	87.1	87.7	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	1.9	71.6	77.4	84.5	87.7	88.4	91.0	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	1.9	71.6	77.4	84.5	87.7	88.4	91.0	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	1.9	71.6	77.4	84.5	88.4	89.0	91.6	92.3	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	1.9	71.6	77.4	84.5	88.4	89.0	91.6	92.3	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	1.9	71.6	77.4	85.2	89.0	89.7	92.3	92.9	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	1.9	71.6	77.4	85.2	89.0	89.7	92.3	93.6	94.8	96.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	1.9	71.6	77.4	85.2	89.0	89.7	92.3	93.6	94.8	96.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	1.9	71.6	77.4	85.2	89.0	89.7	92.3	94.2	95.5	96.8	98.7	98.7	99.4	99.4	99.4	99.4
≥ 200	1.9	71.6	77.4	85.2	89.0	89.7	92.3	94.2	95.5	96.8	98.7	98.7	99.4	99.4	100.0	100.0
≥ 100	1.9	71.6	77.4	85.2	89.0	89.7	92.3	94.2	95.5	96.8	98.7	98.7	99.4	99.4	100.0	100.0
≥ 0	1.9	71.6	77.4	85.2	89.0	89.7	92.3	94.2	95.5	96.8	98.7	98.7	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	42.6	45.8	50.3	51.6	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000	1.3	46.5	51.0	55.5	57.4	60.7	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 18000	1.3	46.5	51.0	55.5	57.4	60.7	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	1.3	46.5	51.0	55.5	57.4	60.7	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	1.3	47.1	51.6	56.1	58.1	61.3	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	1.3	48.4	52.9	57.4	59.4	62.6	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	1.3	50.3	55.5	60.0	61.9	65.2	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	1.3	51.0	56.1	60.7	62.6	65.8	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	1.3	54.8	60.0	65.2	67.7	71.0	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	1.3	54.8	60.0	66.5	69.0	72.3	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 6000	1.3	54.8	60.0	66.5	69.0	72.3	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	1.3	54.8	60.0	66.5	69.0	72.3	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	1.3	54.8	60.0	66.5	69.0	72.3	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000	1.3	54.8	60.7	67.1	69.7	72.9	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	1.3	55.5	61.3	67.7	71.0	74.8	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3000	1.3	56.1	63.9	71.6	74.8	78.7	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	1.3	56.1	63.9	71.6	74.8	78.7	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	1.3	57.4	65.2	72.9	76.1	80.0	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	1.3	57.4	65.2	72.9	76.1	80.0	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	1.3	58.1	65.8	74.2	78.7	82.6	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	1.3	58.1	65.8	74.2	78.7	82.6	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000	1.3	59.4	67.1	76.1	81.3	85.2	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	1.3	59.4	67.1	76.1	81.3	85.2	89.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 800	1.3	59.4	67.1	76.8	81.9	85.8	90.3	91.0	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	1.3	60.0	67.7	77.4	82.6	86.5	91.6	92.3	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600	1.3	60.0	67.7	78.7	83.9	87.7	92.9	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	1.3	60.0	67.7	78.7	83.9	87.7	92.9	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	1.3	60.0	67.7	79.4	84.5	88.4	93.6	94.2	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	1.3	60.0	67.7	79.4	84.5	88.4	94.2	94.8	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	1.3	60.0	67.7	79.4	84.5	88.4	94.2	94.8	95.5	96.1	97.4	97.4	98.7	98.7	99.4	99.4
≥ 100	1.3	60.0	67.7	79.4	84.5	88.4	94.2	94.8	95.5	96.1	97.4	97.4	98.7	98.7	100.0	100.0
≥ 0	1.3	60.0	67.7	79.4	84.5	88.4	94.2	94.8	95.5	96.1	97.4	97.4	98.7	98.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) AUG (MONTH) 22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	47.1	52.3	56.8	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	.7	51.0	57.4	61.9	64.5	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 18000	.7	51.0	57.4	61.9	64.5	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 16000	.7	51.0	57.4	61.9	64.5	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 14000	.7	51.0	57.4	61.9	64.5	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000	.7	51.6	58.1	62.6	65.2	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000	.7	55.5	61.9	67.7	70.3	70.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000	.7	55.5	61.9	67.7	70.3	70.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	.7	56.8	64.5	70.3	73.6	73.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	.7	56.8	64.5	70.3	73.6	73.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	.7	58.1	65.8	71.6	74.8	74.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	.7	58.1	65.8	71.6	74.8	74.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4500	.7	58.1	65.8	71.6	74.8	74.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	.7	58.7	66.5	72.9	76.8	76.8	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	.7	58.7	67.1	73.6	77.4	77.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	.7	58.7	67.1	73.6	78.1	78.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	.7	58.7	67.1	73.6	78.1	78.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	.7	59.4	67.7	74.8	79.4	79.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	.7	59.4	67.7	74.8	79.4	79.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	.7	60.7	69.0	76.1	80.7	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	.7	60.7	69.0	76.1	80.7	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1000	.7	60.7	69.7	76.8	81.9	81.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900	.7	60.7	69.7	76.8	81.9	81.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	.7	61.3	70.3	80.0	85.8	85.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	.7	61.3	71.0	81.9	87.7	87.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	.7	61.9	72.3	83.2	89.0	89.0	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	.7	61.9	72.3	83.2	89.0	89.0	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	.7	61.9	72.3	83.2	89.0	89.7	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 300	.7	61.9	72.3	83.2	89.0	89.7	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	.7	61.9	72.3	83.2	89.0	89.7	94.8	96.1	96.1	96.1	96.1	96.1	96.8	97.4	97.4	98.1
≥ 100	.7	61.9	72.3	83.2	89.0	89.7	94.8	96.1	96.1	96.1	96.1	96.1	96.8	97.4	98.1	99.4
0	.7	61.9	72.3	83.2	89.0	89.7	94.8	96.1	96.1	96.1	96.1	96.1	96.8	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.8	41.5	46.2	51.1	53.2	54.1	54.8	55.1	55.2	55.3	55.4	55.4	55.5	55.6	55.6	55.7
≥ 20000	.8	45.6	51.0	56.5	59.1	60.2	61.2	61.6	61.8	61.9	62.2	62.2	62.3	62.3	62.3	62.5
M/M 18000	.8	45.6	51.0	56.5	59.1	60.2	61.2	61.6	61.8	61.9	62.2	62.2	62.3	62.3	62.3	62.5
M/M 16000	.8	45.6	51.0	56.5	59.1	60.2	61.2	61.6	61.8	61.9	62.2	62.2	62.3	62.3	62.3	62.5
M/M 14000	.8	45.8	51.3	56.9	59.5	60.7	61.6	62.0	62.2	62.3	62.6	62.6	62.7	62.7	62.7	62.9
M/M 12000	.8	46.5	52.2	57.7	60.4	61.5	62.5	62.9	63.1	63.2	63.5	63.5	63.6	63.6	63.6	63.8
M/M 10000	.8	49.4	55.7	62.1	65.0	66.1	67.1	67.5	67.7	67.9	68.2	68.2	68.2	68.3	68.3	68.5
M/M 9000	.8	49.7	56.1	62.4	65.3	66.5	67.4	67.8	68.1	68.2	68.5	68.5	68.6	68.6	68.6	68.8
M/M 8000	.8	51.7	58.6	65.2	68.5	69.6	70.7	71.1	71.4	71.5	71.9	71.9	71.9	72.0	72.0	72.2
M/M 7000	.8	52.4	59.3	66.2	69.4	70.6	71.6	72.1	72.3	72.5	72.8	72.8	72.9	73.0	73.0	73.2
M/M 6000	.8	53.2	60.2	67.1	70.4	71.5	72.6	73.1	73.3	73.5	73.8	73.8	73.9	74.0	74.0	74.1
M/M 5000	.8	53.6	60.6	67.7	71.0	72.1	73.4	73.9	74.1	74.3	74.6	74.6	74.7	74.8	74.8	74.9
M/M 4500	.8	53.6	60.7	67.7	71.1	72.2	73.5	74.0	74.2	74.4	74.7	74.7	74.8	74.8	74.8	75.0
M/M 4000	.8	54.4	61.8	69.1	72.6	73.7	75.1	75.7	76.0	76.1	76.5	76.5	76.5	76.6	76.6	76.8
M/M 3500	.8	54.8	62.5	69.8	73.5	74.7	76.1	76.7	76.9	77.2	77.5	77.5	77.6	77.7	77.7	77.8
M/M 3000	.8	56.1	64.1	71.9	75.9	77.2	79.1	79.8	80.0	80.3	80.7	80.7	80.7	80.8	80.8	81.0
M/M 2500	.8	56.5	64.7	72.5	76.6	77.9	79.8	80.5	80.7	81.1	81.4	81.4	81.5	81.5	81.5	81.7
M/M 2000	.8	57.3	65.5	73.6	77.7	79.0	81.2	81.9	82.1	82.4	82.7	82.7	82.8	82.9	82.9	83.1
M/M 1800	.8	57.4	65.6	73.7	77.8	79.1	81.3	81.9	82.2	82.5	82.8	82.8	82.9	83.0	83.0	83.2
M/M 1500	.8	58.2	66.4	75.0	79.4	80.7	83.0	83.8	84.2	84.5	84.8	84.8	84.9	85.0	85.0	85.2
M/M 1200	.8	58.5	66.7	75.4	79.8	81.1	83.5	84.3	84.7	85.0	85.3	85.3	85.4	85.5	85.5	85.7
M/M 1000	.8	59.0	67.5	76.4	81.1	82.3	84.8	85.7	86.2	86.5	86.9	86.9	87.0	87.1	87.2	87.3
M/M 900	.8	59.0	67.5	76.5	81.1	82.4	84.9	85.8	86.3	86.6	87.0	87.0	87.1	87.2	87.3	87.4
M/M 800	.8	59.1	67.9	77.4	82.7	84.0	86.6	87.7	88.4	88.8	89.3	89.3	89.4	89.4	89.5	89.7
M/M 700	.8	59.4	68.2	77.9	83.2	84.5	87.4	88.6	89.3	89.8	90.3	90.3	90.4	90.5	90.6	90.7
M/M 600	.8	59.5	68.6	78.6	84.0	85.4	88.5	89.8	90.5	91.1	91.6	91.6	91.7	91.8	91.9	92.0
M/M 500	.8	59.7	69.0	79.1	84.6	86.0	89.3	91.1	91.9	92.7	93.5	93.5	93.6	93.6	93.7	93.9
M/M 400	.8	59.7	69.0	79.4	85.1	86.5	90.2	92.2	93.0	94.1	95.2	95.2	95.3	95.5	95.6	95.7
M/M 300	.8	59.7	69.0	79.5	85.3	86.9	91.0	93.2	94.0	95.3	96.5	96.5	96.9	97.2	97.3	97.4
M/M 200	.8	59.7	69.0	79.5	85.3	86.9	91.1	93.4	94.2	95.7	97.0	97.1	98.0	98.4	98.8	99.2
M/M 100	.8	59.7	69.0	79.5	85.3	86.9	91.1	93.4	94.2	95.7	97.0	97.1	98.1	98.5	99.2	99.8
M/M 0	.8	59.7	69.0	79.5	85.3	86.9	91.1	93.4	94.2	95.7	97.0	97.1	98.1	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH) | 01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		42.0	43.3	44.7	48.0	48.0	49.3	49.3	49.3	49.3	49.3	49.3	50.0	50.0	50.0	50.7
≥ 20000		44.7	46.7	49.3	53.3	53.3	55.3	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.7
≥ 18000		44.7	46.7	49.3	53.3	53.3	55.3	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.7
≥ 16000		44.7	46.7	49.3	53.3	53.3	55.3	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.7
≥ 14000		44.7	46.7	49.3	53.3	53.3	55.3	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.7
≥ 12000		46.0	48.0	50.7	54.7	54.7	56.7	56.7	56.7	56.7	56.7	56.7	57.3	57.3	57.3	58.0
≥ 10000		49.3	52.0	54.7	58.7	58.7	60.7	60.7	60.7	60.7	60.7	60.7	61.3	61.3	61.3	62.0
≥ 9000		49.3	52.0	54.7	58.7	58.7	60.7	60.7	60.7	60.7	60.7	60.7	61.3	61.3	61.3	62.0
≥ 8000		50.7	54.0	56.7	60.7	60.7	62.7	62.7	62.7	62.7	62.7	62.7	63.3	63.3	63.3	64.0
≥ 7000		51.3	54.7	57.3	61.3	61.3	63.3	63.3	63.3	63.3	63.3	63.3	64.0	64.0	64.0	64.7
≥ 6000		53.3	56.7	59.3	63.3	63.3	65.3	65.3	65.3	65.3	65.3	65.3	66.0	66.0	66.0	66.7
≥ 5000		56.0	59.3	62.7	66.7	66.7	68.7	68.7	68.7	68.7	68.7	68.7	69.3	69.3	69.3	70.0
≥ 4500		56.7	60.7	64.0	68.0	68.0	70.0	70.0	70.0	70.0	70.0	70.0	70.7	70.7	70.7	71.3
≥ 4000		58.0	62.0	65.3	69.3	69.3	71.3	71.3	71.3	71.3	71.3	71.3	72.0	72.0	72.0	72.7
≥ 3500		58.0	62.0	66.0	70.0	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.7	72.7	72.7	73.3
≥ 3000		58.7	63.3	67.3	72.7	72.7	75.3	75.3	75.3	75.3	75.3	75.3	76.0	76.0	76.0	76.7
≥ 2500		60.7	65.3	69.3	74.7	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7	79.3
≥ 2000		61.3	66.0	70.7	76.0	76.7	79.3	79.3	79.3	79.3	79.3	79.3	80.0	80.0	80.0	80.7
≥ 1800		61.3	66.0	70.7	76.0	76.7	79.3	79.3	79.3	79.3	79.3	79.3	80.0	80.0	80.0	80.7
≥ 1500		62.7	67.3	72.0	78.0	78.7	81.3	82.0	82.0	82.0	82.0	82.0	82.7	82.7	82.7	83.3
≥ 1200		63.3	68.0	73.3	79.3	80.0	82.7	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.7
≥ 1000		63.3	68.0	74.0	80.7	81.3	84.0	84.7	84.7	84.7	84.7	84.7	85.3	85.3	85.3	86.0
≥ 900		63.3	68.0	74.0	81.3	82.0	84.7	85.3	85.3	85.3	85.3	85.3	86.0	86.0	86.0	86.7
≥ 800		63.3	68.0	74.0	81.3	82.0	84.7	85.3	85.3	85.3	85.3	85.3	86.0	86.0	86.0	86.7
≥ 700		63.3	68.0	74.0	82.0	82.7	85.3	86.0	86.0	86.0	86.0	86.0	86.7	86.7	86.7	87.3
≥ 600		63.3	68.0	74.0	82.7	83.3	86.0	86.7	86.7	86.7	86.7	86.7	87.3	87.3	87.3	88.0
≥ 500		64.0	68.7	75.3	84.7	85.3	88.0	89.3	89.3	89.3	89.3	89.3	90.0	90.0	90.0	90.7
≥ 400		64.0	68.7	76.0	86.7	87.3	90.7	92.7	92.7	92.7	92.7	92.7	93.3	93.3	93.3	94.0
≥ 300		64.0	69.3	76.7	88.0	88.7	92.7	96.0	96.0	96.0	96.0	96.0	96.7	96.7	96.7	97.3
≥ 200		64.0	69.3	76.7	88.0	88.7	92.7	96.0	96.0	96.0	96.0	96.0	96.7	96.7	97.3	98.0
≥ 100		64.0	69.3	76.7	88.0	88.7	92.7	96.0	96.0	96.0	96.0	96.0	96.7	96.7	98.0	99.3
0		64.0	69.3	76.7	88.0	88.7	92.7	96.0	96.0	96.0	96.0	96.0	97.3	97.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) SEP (MONTH) 04 (HOURS (L S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		48.0	50.7	52.7	54.7	54.7	54.7	55.3	55.3	55.3	56.0	56.0	56.7	56.7	56.7	57.3
≥ 20000		50.0	52.7	54.7	56.7	56.7	56.7	57.3	57.3	57.3	58.0	58.0	58.7	58.7	58.7	59.3
≥ 18000		50.0	52.7	54.7	56.7	56.7	56.7	57.3	57.3	57.3	58.0	58.0	58.7	58.7	58.7	59.3
≥ 16000		50.0	52.7	54.7	56.7	56.7	56.7	57.3	57.3	57.3	58.0	58.0	58.7	58.7	58.7	59.3
≥ 14000		50.0	52.7	54.7	57.3	57.3	57.3	58.0	58.0	58.0	58.7	58.7	59.3	59.3	59.3	60.0
≥ 12000		50.7	54.0	56.0	58.7	58.7	58.7	59.3	59.3	59.3	60.0	60.0	60.7	60.7	60.7	61.3
≥ 10000		52.0	55.3	58.7	61.3	61.3	61.3	62.0	62.0	62.0	62.7	62.7	63.3	63.3	63.3	64.0
≥ 9000		52.0	55.3	58.7	61.3	61.3	61.3	62.0	62.0	62.0	62.7	62.7	63.3	63.3	63.3	64.0
≥ 8000		52.7	57.3	60.7	63.3	63.3	63.3	64.0	64.0	64.0	64.7	64.7	65.3	65.3	65.3	66.0
≥ 7000		52.7	57.3	60.7	63.3	63.3	63.3	64.0	64.0	64.0	64.7	64.7	65.3	65.3	65.3	66.0
≥ 6000		54.7	60.7	64.0	66.7	66.7	66.7	67.3	67.3	67.3	68.0	68.0	68.7	68.7	68.7	69.3
≥ 5000		55.3	62.0	66.0	69.3	69.3	69.3	70.0	70.0	70.0	70.7	70.7	71.3	71.3	71.3	72.0
≥ 4500		55.3	62.0	66.0	69.3	69.3	69.3	70.0	70.0	70.0	70.7	70.7	71.3	71.3	71.3	72.0
≥ 4000		56.0	62.7	66.7	70.0	70.0	70.0	70.7	70.7	70.7	71.3	71.3	72.0	72.0	72.0	72.7
≥ 3500		56.7	63.3	67.3	70.7	70.7	71.3	72.0	72.0	72.0	72.7	72.7	73.3	73.3	73.3	74.0
≥ 3000		58.0	64.7	69.3	72.7	72.7	73.3	74.0	74.0	74.0	74.7	74.7	75.3	75.3	75.3	76.0
≥ 2500		58.0	64.7	69.3	73.3	73.3	74.0	74.7	74.7	74.7	75.3	75.3	76.0	76.0	76.0	76.7
≥ 2000		58.0	64.7	69.3	74.7	74.7	75.3	76.0	76.0	76.0	76.7	76.7	77.3	77.3	77.3	78.0
≥ 1800		58.0	64.7	69.3	74.7	74.7	75.3	76.0	76.0	76.0	76.7	76.7	77.3	77.3	77.3	78.0
≥ 1500		58.7	65.3	70.0	75.3	75.3	76.0	76.7	76.7	76.7	77.3	77.3	78.0	78.0	78.0	78.7
≥ 1200		58.7	65.3	70.0	75.3	75.3	76.7	77.3	77.3	77.3	78.0	78.0	78.7	78.7	78.7	79.3
≥ 1000		58.7	66.0	71.3	77.3	77.3	78.7	79.3	79.3	79.3	80.0	80.0	80.7	80.7	80.7	81.3
≥ 900		58.7	66.0	71.3	77.3	77.3	79.3	80.0	80.0	80.0	80.7	80.7	81.3	81.3	81.3	82.0
≥ 800		59.3	66.7	72.7	78.7	78.7	80.7	81.3	81.3	81.3	82.0	82.0	82.7	82.7	82.7	83.3
≥ 700		59.3	66.7	72.7	79.3	79.3	81.3	82.0	82.0	82.0	82.7	82.7	83.3	83.3	83.3	84.0
≥ 600		59.3	67.3	73.3	81.3	82.0	84.0	84.7	84.7	84.7	85.3	85.3	86.0	86.0	86.0	86.7
≥ 500		60.0	68.7	74.7	83.3	84.0	88.7	89.3	89.3	89.3	90.0	90.0	90.7	90.7	90.7	91.3
≥ 400		60.7	69.3	75.3	84.0	84.7	89.3	90.0	90.0	90.0	90.7	90.7	92.0	92.0	92.0	92.7
≥ 300		60.7	69.3	75.3	84.0	84.7	89.3	90.0	90.0	90.0	91.3	91.3	92.7	92.7	92.7	93.3
≥ 200		60.7	69.3	75.3	84.0	84.7	89.3	90.0	90.0	90.0	91.3	91.3	92.7	92.7	93.3	94.0
≥ 100		60.7	69.3	75.3	84.0	84.7	89.3	90.7	90.7	90.7	92.0	92.0	93.3	93.3	94.0	98.7
0		60.7	69.3	75.3	84.0	84.7	89.3	90.7	90.7	90.7	92.0	92.0	93.3	93.3	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) SEP (MONTH) 07 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		31.3	38.0	42.0	44.7	45.3	47.3	47.3	48.0	49.3	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000		34.0	40.7	45.3	48.0	48.7	50.7	50.7	51.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000		34.0	40.7	45.3	48.0	48.7	50.7	50.7	51.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000		34.0	40.7	45.3	48.0	48.7	50.7	50.7	51.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000		35.3	42.0	46.7	49.3	50.0	52.0	52.0	52.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000		36.7	43.3	48.0	50.7	51.3	53.3	53.3	54.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000		38.7	45.3	50.0	52.7	53.3	55.3	55.3	56.0	58.7	59.3	59.3	60.0	60.0	60.0	60.0
≥ 9000		38.7	45.3	50.0	52.7	53.3	55.3	55.3	56.0	58.7	59.3	59.3	60.0	60.0	60.0	60.0
≥ 8000		40.7	48.0	52.7	55.3	56.0	58.0	58.0	58.7	61.3	62.0	62.0	62.7	62.7	62.7	62.7
≥ 7000		42.7	50.0	54.7	58.0	58.7	60.7	60.7	61.3	64.7	65.3	65.3	66.0	66.0	66.0	66.0
≥ 6000		44.0	52.0	56.7	60.0	60.7	62.7	62.7	64.0	67.3	68.0	68.0	68.7	68.7	68.7	68.7
≥ 5000		44.7	52.7	57.3	60.7	61.3	63.3	63.3	64.7	68.0	68.7	68.7	69.3	69.3	69.3	69.3
≥ 4500		44.7	52.7	57.3	60.7	61.3	63.3	63.3	64.7	68.0	68.7	68.7	69.3	69.3	69.3	69.3
≥ 4000		45.3	53.3	58.0	61.3	62.0	64.0	64.0	65.3	68.7	69.3	69.3	70.0	70.0	70.0	70.0
≥ 3500		45.3	53.3	58.0	61.3	62.0	64.0	64.0	65.3	68.7	69.3	69.3	70.0	70.0	70.0	70.0
≥ 3000		46.7	55.3	60.0	63.3	64.7	66.7	66.7	68.0	71.3	72.0	72.0	72.7	72.7	72.7	72.7
≥ 2500		47.3	56.0	60.7	64.0	65.3	67.3	67.3	68.7	72.0	72.7	72.7	73.3	73.3	73.3	73.3
≥ 2000		48.0	56.7	61.3	64.7	66.0	68.0	68.0	69.3	72.7	73.3	73.3	74.0	74.0	74.0	74.0
≥ 1800		48.0	56.7	61.3	65.3	66.7	68.7	68.7	70.0	73.3	74.0	74.0	74.7	74.7	74.7	74.7
≥ 1500		48.7	58.0	62.7	68.0	69.3	71.3	71.3	72.7	76.0	77.3	77.3	78.0	78.0	78.0	78.0
≥ 1200		48.7	58.0	62.7	68.0	69.3	71.3	71.3	72.7	76.0	78.0	78.0	78.7	78.7	78.7	78.7
≥ 1000		48.7	58.0	62.7	68.0	69.3	72.0	72.0	73.3	77.3	79.3	79.3	80.0	80.0	80.0	80.0
≥ 900		49.3	58.7	64.0	69.3	70.7	74.0	74.0	75.3	79.3	81.3	81.3	82.0	82.0	82.0	82.0
≥ 800		50.0	59.3	64.7	70.0	71.3	74.7	74.7	76.0	80.0	82.0	82.0	82.7	82.7	82.7	82.7
≥ 700		50.0	59.3	64.7	70.0	71.3	74.7	75.3	76.7	80.7	82.7	82.7	83.3	83.3	83.3	83.3
≥ 600		50.0	59.3	64.7	70.0	71.3	74.7	75.3	76.7	80.7	83.3	83.3	84.0	84.0	84.0	84.0
≥ 500		50.0	59.3	65.3	70.7	72.0	75.3	76.7	78.0	82.7	85.3	85.3	86.7	86.7	86.7	86.7
≥ 400		50.0	59.3	66.0	71.3	72.7	76.7	78.0	80.0	86.7	89.3	89.3	91.3	91.3	91.3	92.0
≥ 300		50.0	59.3	66.0	71.3	72.7	76.7	78.7	80.7	87.3	92.0	92.0	94.0	94.0	94.7	95.3
≥ 200		50.0	59.3	66.0	71.3	72.7	76.7	78.7	80.7	87.3	92.0	92.0	94.0	94.0	95.3	96.0
≥ 100		50.0	59.3	66.0	71.3	72.7	76.7	78.7	80.7	87.3	92.0	92.0	94.0	94.7	96.7	98.7
0		50.0	59.3	66.0	71.3	72.7	76.7	78.7	80.7	87.3	92.0	92.0	94.0	94.7	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	40.7	43.3	46.7	48.0	48.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	2.0	42.7	45.3	48.7	50.0	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	2.0	42.7	45.3	48.7	50.0	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	2.0	42.7	45.3	48.7	50.0	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	2.0	43.3	46.0	49.3	50.7	51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	2.0	44.0	46.7	50.0	51.3	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	2.0	49.3	52.0	56.0	57.3	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	2.0	49.3	52.0	56.0	57.3	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 8000	2.0	52.0	54.7	58.7	60.0	60.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000	2.0	52.0	54.7	58.7	60.0	60.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 6000	2.0	52.7	55.3	60.0	61.3	62.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	2.0	54.0	57.3	62.7	64.0	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4500	2.0	55.3	58.7	64.0	65.3	66.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4000	2.0	56.7	60.0	65.3	66.7	67.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3500	2.0	58.0	61.3	66.7	68.0	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	2.0	60.0	63.3	70.0	71.3	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 2500	2.0	60.7	64.0	70.7	73.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2000	2.0	61.3	64.7	71.3	74.0	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 1800	2.0	61.3	64.7	71.3	74.7	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1500	2.0	61.3	65.3	72.7	76.7	78.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	2.0	61.3	65.3	72.7	76.7	78.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1000	2.0	61.3	65.3	73.3	78.0	80.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 900	2.0	61.3	65.3	73.3	78.7	80.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 800	2.0	62.0	66.0	75.3	81.3	83.3	88.0	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 700	2.0	63.3	67.3	78.0	84.7	86.7	91.3	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	2.0	63.3	67.3	78.0	84.7	86.7	91.3	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	2.0	63.3	67.3	78.0	86.0	88.7	93.3	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	2.0	63.3	67.3	78.0	86.0	88.7	93.3	95.3	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	2.0	63.3	67.3	78.0	86.0	88.7	93.3	95.3	96.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3
≥ 200	2.0	63.3	67.3	78.0	86.0	88.7	93.3	95.3	96.0	98.7	98.7	98.7	100.0	100.0	100.0	100.0
≥ 100	2.0	63.3	67.3	78.0	86.0	88.7	93.3	95.3	96.0	98.7	98.7	98.7	100.0	100.0	100.0	100.0
0	2.0	63.3	67.3	78.0	86.0	88.7	93.3	95.3	96.0	98.7	98.7	98.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	36.7	37.3	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	2.7	42.0	44.0	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 18000	2.7	42.0	44.0	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 16000	2.7	42.0	44.0	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 14000	2.7	42.7	44.7	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	2.7	44.0	46.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 10000	2.7	48.7	51.3	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 9000	2.7	48.7	51.3	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	2.7	50.0	52.7	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 7000	2.7	50.7	53.3	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	2.7	51.3	54.0	59.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	2.7	51.3	54.0	59.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	2.7	52.7	55.3	60.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4000	2.7	56.0	58.7	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3500	3.3	61.3	64.0	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3000	3.3	66.0	69.3	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500	3.3	66.7	70.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	3.3	68.7	72.7	79.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	3.3	68.7	72.7	79.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	3.3	70.0	74.0	82.0	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1200	3.3	70.0	74.0	82.0	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1000	3.3	70.0	74.0	82.7	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 900	3.3	70.0	74.0	84.0	87.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 800	3.3	70.0	74.7	84.7	89.3	90.7	91.3	91.3	91.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700	3.3	71.3	76.0	86.0	90.7	92.7	94.0	94.0	94.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	3.3	71.3	76.0	86.0	90.7	92.7	94.0	94.7	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	3.3	71.3	76.0	86.0	90.7	92.7	94.7	95.3	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	3.3	71.3	76.0	86.0	90.7	93.3	95.3	96.7	96.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	3.3	71.3	76.0	86.0	90.7	93.3	95.3	96.7	96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	3.3	71.3	76.0	86.0	90.7	93.3	95.3	96.7	96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	3.3	71.3	76.0	86.0	90.7	93.3	95.3	96.7	96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
0	3.3	71.3	76.0	86.0	90.7	93.3	95.3	96.7	96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH) | 16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	46.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	2.0	53.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	2.0	53.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000	2.0	53.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	2.0	54.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	2.0	55.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	2.0	59.3	64.7	65.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	2.0	59.3	64.7	65.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 8000	2.0	60.0	66.0	66.7	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	2.0	62.7	68.7	69.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	2.0	63.3	69.3	70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	2.0	66.0	72.0	72.7	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500	2.0	66.7	72.7	73.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000	2.0	68.0	74.0	75.3	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	2.0	68.0	74.7	76.0	78.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	2.0	68.7	76.0	78.0	80.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	2.0	68.7	76.0	78.0	80.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	2.0	69.3	76.7	78.7	81.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	2.0	69.3	76.7	78.7	81.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	2.0	72.0	80.0	82.7	85.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	2.0	72.7	81.3	84.0	86.7	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	2.0	73.3	82.7	86.0	88.7	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	2.0	74.0	83.3	86.7	89.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	2.0	74.0	83.3	86.7	89.3	90.7	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 700	2.0	74.0	83.3	86.7	89.3	91.3	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	2.0	74.0	83.3	86.7	89.3	91.3	93.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	2.0	74.0	83.3	86.7	90.0	92.0	94.0	94.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	2.0	74.0	83.3	86.7	90.0	92.0	94.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	2.0	74.0	83.3	86.7	90.0	92.0	94.7	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	2.0	74.0	83.3	86.7	90.0	92.0	94.7	96.0	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3
≥ 100	2.0	74.0	83.3	86.7	90.0	92.0	94.7	96.0	97.3	98.0	98.7	98.7	99.3	99.3	100.0	100.0
0	2.0	74.0	83.3	86.7	90.0	92.0	94.7	96.0	97.3	98.0	98.7	98.7	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) SEP (MONTH) 19 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	42.0	44.0	46.7	48.0	48.7	49.3	49.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	.7	48.0	50.0	52.7	54.0	55.3	56.7	56.7	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	.7	48.0	50.0	52.7	54.0	55.3	56.7	56.7	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 16000	.7	48.0	50.0	52.7	54.0	55.3	56.7	56.7	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	.7	48.7	50.7	53.3	54.7	56.0	57.3	57.3	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	.7	49.3	51.3	54.0	55.3	56.7	58.0	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 10000	.7	53.3	56.0	58.7	60.7	62.0	63.3	64.0	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	.7	53.3	56.0	58.7	60.7	62.0	63.3	64.0	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	.7	55.3	58.0	60.7	62.7	64.0	65.3	66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 7000	.7	55.3	58.0	60.7	62.7	64.0	65.3	66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 6000	.7	56.0	58.7	61.3	64.0	65.3	66.7	67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 5000	.7	58.7	62.0	64.7	67.3	68.7	70.0	70.7	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	.7	60.0	63.3	66.0	68.7	70.0	71.3	72.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	.7	61.3	65.3	68.0	70.7	72.0	73.3	74.0	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	.7	62.7	66.7	69.3	72.0	73.3	75.3	76.0	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	.7	64.0	68.0	71.3	74.0	75.3	77.3	78.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	.7	64.0	68.0	71.3	74.0	75.3	77.3	78.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	.7	64.0	68.0	71.3	74.0	75.3	77.3	78.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1800	.7	64.0	68.0	71.3	74.0	75.3	77.3	78.0	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1500	.7	66.7	70.7	74.0	76.7	78.0	80.0	80.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	.7	67.3	71.3	74.7	77.3	79.3	81.3	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	.7	68.0	72.7	76.0	80.0	82.0	84.0	84.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 900	.7	68.7	73.3	76.7	80.7	82.7	85.3	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 800	.7	68.7	73.3	77.3	81.3	83.3	86.0	88.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 700	.7	69.3	74.0	78.0	82.7	84.7	87.3	89.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 600	.7	69.3	74.7	78.7	84.0	86.0	90.0	92.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 500	.7	69.3	74.7	78.7	84.0	86.0	91.3	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 400	.7	69.3	74.7	78.7	84.0	86.0	91.3	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	.7	69.3	74.7	78.7	84.0	86.0	92.0	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	.7	69.3	74.7	78.7	84.0	86.0	92.0	96.0	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	.7	69.3	74.7	78.7	84.0	86.0	92.0	96.0	96.7	98.0	98.7	98.7	98.7	98.7	99.3	100.0
0	.7	69.3	74.7	78.7	84.0	86.0	92.0	96.0	96.7	98.0	98.7	98.7	98.7	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH)

22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	44.0	45.3	48.0	48.7	48.7	49.3	50.0	50.0	50.7	50.7	50.7	51.3	51.3	51.3	51.3
≥ 20000	.7	48.0	49.3	52.0	52.7	52.7	54.0	54.7	54.7	55.3	55.3	55.3	56.0	56.0	56.0	56.0
≥ 18000	.7	48.0	49.3	52.0	52.7	52.7	54.0	54.7	54.7	55.3	55.3	55.3	56.0	56.0	56.0	56.0
≥ 16000	.7	48.0	49.3	52.0	52.7	52.7	54.0	54.7	54.7	55.3	55.3	55.3	56.0	56.0	56.0	56.0
≥ 14000	.7	48.0	50.0	52.7	53.3	53.3	54.7	55.3	55.3	56.0	56.0	56.0	56.7	56.7	56.7	56.7
≥ 12000	.7	48.7	50.7	53.3	54.0	54.0	55.3	56.0	56.0	56.7	56.7	56.7	57.3	57.3	57.3	57.3
≥ 10000	.7	50.7	52.7	55.3	56.0	56.0	57.3	58.0	58.0	58.7	58.7	58.7	59.3	59.3	59.3	59.3
≥ 9000	.7	50.7	52.7	55.3	56.0	56.0	57.3	58.0	58.0	58.7	58.7	58.7	59.3	59.3	59.3	59.3
≥ 8000	.7	53.3	56.0	58.7	59.3	59.3	60.7	61.3	61.3	62.0	62.0	62.0	62.7	62.7	62.7	62.7
≥ 7000	.7	54.0	57.3	60.0	60.7	60.7	62.0	62.7	62.7	63.3	63.3	63.3	64.0	64.0	64.0	64.0
≥ 6000	.7	54.7	60.0	62.7	63.3	63.3	64.7	65.3	65.3	66.0	66.0	66.0	66.7	66.7	66.7	66.7
≥ 5000	.7	57.3	64.7	67.3	68.0	68.0	69.3	70.0	70.0	70.7	70.7	70.7	71.3	71.3	71.3	71.3
≥ 4500	.7	58.7	66.7	69.3	70.7	70.7	72.0	72.7	72.7	73.3	73.3	73.3	74.0	74.0	74.0	74.0
≥ 4000	.7	60.0	68.7	71.3	72.7	72.7	74.0	74.7	74.7	75.3	75.3	75.3	76.0	76.0	76.0	76.0
≥ 3500	.7	60.7	69.3	72.0	74.0	74.0	75.3	76.0	76.0	76.7	76.7	76.7	77.3	77.3	77.3	77.3
≥ 3000	.7	62.0	71.3	74.0	76.0	76.0	78.0	78.7	78.7	79.3	79.3	79.3	80.0	80.0	80.0	80.0
≥ 2500	.7	62.0	71.3	74.0	76.0	76.0	78.0	78.7	78.7	79.3	79.3	79.3	80.0	80.0	80.0	80.0
≥ 2000	.7	62.0	71.3	74.7	77.3	77.3	80.0	80.7	80.7	81.3	81.3	81.3	82.0	82.0	82.0	82.0
≥ 1800	.7	63.3	72.7	76.0	78.7	78.7	81.3	82.0	82.0	82.7	82.7	82.7	83.3	83.3	83.3	83.3
≥ 1500	.7	64.7	74.0	77.3	80.7	80.7	83.3	84.0	84.0	84.7	84.7	84.7	85.3	85.3	85.3	85.3
≥ 1200	.7	64.7	74.7	78.0	81.3	81.3	84.0	84.7	84.7	85.3	85.3	85.3	86.0	86.0	86.0	86.0
≥ 1000	.7	64.7	74.7	78.7	82.0	82.0	84.7	85.3	85.3	86.0	86.0	86.0	86.7	86.7	86.7	86.7
≥ 900	.7	64.7	74.7	78.7	82.0	82.0	84.7	85.3	85.3	86.0	86.0	86.0	86.7	86.7	86.7	86.7
≥ 800	.7	64.7	74.7	78.7	82.7	83.3	86.7	87.3	87.3	88.0	88.0	88.0	88.7	88.7	88.7	88.7
≥ 700	.7	65.3	76.0	80.0	84.0	84.7	88.0	89.3	89.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7
≥ 600	.7	65.3	76.0	80.0	84.0	85.3	89.3	90.7	90.7	91.3	91.3	91.3	92.0	92.0	92.0	92.0
≥ 500	.7	65.3	76.7	80.7	86.0	87.3	92.7	94.7	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0
≥ 400	.7	66.0	77.3	81.3	86.7	88.0	93.3	95.3	95.3	96.0	96.0	96.0	96.7	96.7	96.7	96.7
≥ 300	.7	66.0	77.3	81.3	86.7	88.0	93.3	95.3	95.3	96.0	96.0	96.0	96.7	96.7	96.7	96.7
≥ 200	.7	66.0	77.3	81.3	86.7	88.0	93.3	95.3	95.3	96.0	96.0	96.0	96.7	96.7	97.3	97.3
≥ 100	.7	66.0	77.3	81.3	86.7	88.0	93.3	95.3	95.3	96.7	96.7	96.7	97.3	97.3	98.7	99.3
0	.7	66.0	77.3	81.3	86.7	88.0	93.3	95.3	95.3	96.7	96.7	96.7	97.3	97.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | SEP (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	41.3	44.0	46.5	48.0	48.2	48.9	49.1	49.3	49.6	49.8	49.8	50.0	50.0	50.0	50.2
≥ 20000	1.0	45.3	48.3	51.1	52.7	53.0	54.0	54.2	54.3	54.8	54.9	54.9	55.2	55.2	55.2	55.3
≥ 18000	1.0	45.3	48.3	51.1	52.7	53.0	54.0	54.2	54.3	54.8	54.9	54.9	55.2	55.2	55.2	55.3
≥ 16000	1.0	45.3	48.3	51.1	52.7	53.0	54.0	54.2	54.3	54.8	54.9	54.9	55.2	55.2	55.2	55.3
≥ 14000	1.0	45.8	48.8	51.7	53.3	53.7	54.7	54.8	55.0	55.4	55.6	55.6	55.8	55.8	55.8	56.0
≥ 12000	1.0	46.8	50.0	52.8	54.5	54.8	55.8	56.0	56.2	56.6	56.8	56.8	57.0	57.0	57.0	57.2
≥ 10000	1.0	50.2	53.7	56.9	58.9	59.3	60.3	60.6	60.8	61.3	61.4	61.4	61.8	61.8	61.8	61.9
≥ 9000	1.0	50.2	53.7	56.9	58.9	59.3	60.3	60.6	60.8	61.3	61.4	61.4	61.8	61.8	61.8	61.9
≥ 8000	1.0	51.8	55.8	59.1	61.1	61.5	62.5	62.8	62.9	63.4	63.6	63.6	63.9	63.9	63.9	64.1
≥ 7000	1.0	52.7	56.8	60.0	62.1	62.5	63.5	63.8	63.9	64.5	64.7	64.7	65.0	65.0	65.0	65.2
≥ 6000	1.0	53.8	58.3	61.7	63.8	64.3	65.3	65.5	65.8	66.3	66.5	66.5	66.8	66.8	66.8	67.0
≥ 5000	1.0	55.4	60.5	64.1	66.3	66.8	67.8	68.0	68.3	68.8	69.0	69.0	69.3	69.3	69.3	69.5
≥ 4500	1.0	56.3	61.5	65.1	67.4	67.8	68.8	69.1	69.3	69.9	70.1	70.1	70.4	70.4	70.4	70.6
≥ 4000	1.0	57.7	63.1	66.8	69.1	69.5	70.5	70.8	71.0	71.6	71.8	71.8	72.1	72.1	72.1	72.3
≥ 3500	1.1	58.8	64.3	68.1	70.6	71.0	72.3	72.5	72.8	73.3	73.5	73.5	73.8	73.8	73.8	74.0
≥ 3000	1.1	60.5	66.4	70.7	73.4	73.9	75.3	75.6	75.8	76.4	76.6	76.6	76.9	76.9	76.9	77.1
≥ 2500	1.1	61.0	66.9	71.2	74.2	74.8	76.2	76.4	76.7	77.3	77.4	77.4	77.8	77.8	77.8	77.9
≥ 2000	1.1	61.6	67.6	72.1	75.4	76.0	77.5	77.8	78.0	78.6	78.8	78.8	79.1	79.1	79.1	79.3
≥ 1800	1.1	61.8	67.8	72.3	75.8	76.3	77.8	78.1	78.3	78.9	79.1	79.1	79.4	79.4	79.4	79.6
≥ 1500	1.1	63.1	69.3	74.2	78.2	79.0	80.8	81.2	81.4	82.0	82.3	82.3	82.6	82.6	82.6	82.8
≥ 1200	1.1	63.3	69.8	74.7	78.8	79.7	81.6	81.9	82.2	82.8	83.1	83.1	83.4	83.4	83.4	83.6
≥ 1000	1.1	63.5	70.2	75.6	80.1	81.0	83.2	83.5	83.8	84.4	84.8	84.8	85.1	85.1	85.1	85.3
≥ 900	1.1	63.8	70.4	76.1	80.8	81.8	84.2	84.5	84.8	85.4	85.8	85.8	86.1	86.1	86.1	86.3
≥ 800	1.1	64.0	70.8	76.8	81.8	82.9	85.6	86.3	86.7	87.6	88.0	88.0	88.3	88.3	88.3	88.5
≥ 700	1.1	64.5	71.3	77.5	82.8	84.2	86.9	87.9	88.3	89.3	89.7	89.7	90.0	90.0	90.0	90.2
≥ 600	1.1	64.5	71.5	77.7	83.3	84.8	87.6	88.9	89.3	90.3	90.8	90.8	91.2	91.2	91.2	91.3
≥ 500	1.1	64.7	71.8	78.2	84.4	86.0	89.8	91.1	91.6	92.8	93.3	93.3	93.7	93.7	93.7	93.8
≥ 400	1.1	64.8	72.0	78.5	84.9	86.6	90.6	92.3	92.8	94.3	94.8	94.8	95.4	95.4	95.4	95.7
≥ 300	1.1	64.8	72.1	78.6	85.1	86.8	90.9	93.0	93.6	95.4	96.3	96.3	96.9	96.9	97.0	97.3
≥ 200	1.1	64.8	72.1	78.6	85.1	86.8	90.9	93.0	93.6	95.4	96.4	96.4	97.3	97.3	97.7	97.9
≥ 100	1.1	64.8	72.1	78.6	85.1	86.8	90.9	93.1	93.7	95.6	96.6	96.6	97.4	97.5	98.3	99.5
≥ 0	1.1	64.8	72.1	78.6	85.1	86.8	90.9	93.1	93.7	95.6	96.6	96.6	97.5	97.6	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH) | 01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	56.1	57.4	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	59.4	59.4	60.7	60.7
≥ 20000	.7	58.1	59.4	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	61.3	61.3	62.6	62.6
≥ 18000	.7	58.1	59.4	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	61.3	61.3	62.6	62.6
≥ 16000	.7	58.1	59.4	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	61.3	61.3	62.6	62.6
≥ 14000	.7	58.1	59.4	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	61.3	61.3	62.6	62.6
≥ 12000	.7	58.7	60.0	60.7	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.9	61.9	63.2	63.2
≥ 10000	.7	61.9	63.9	65.2	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	66.5	66.5	67.7	67.7
≥ 9000	.7	63.2	65.2	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.7	67.7	69.0	69.0
≥ 8000	.7	66.5	69.0	70.3	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.6	71.6	72.9	72.9
≥ 7000	.7	67.1	69.7	71.0	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	72.3	72.3	73.6	73.6
≥ 6000	.7	67.7	70.3	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.9	72.9	74.2	74.2
≥ 5000	.7	68.4	71.0	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	73.6	73.6	74.8	74.8
≥ 4500	.7	69.0	72.3	73.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.8	74.8	76.1	76.1
≥ 4000	.7	70.3	73.6	74.8	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.8	76.8	78.1	78.1
≥ 3500	.7	71.6	75.5	76.8	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.7	78.7	80.0	80.0
≥ 3000	.7	72.9	76.8	78.1	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	80.0	80.0	81.3	81.3
≥ 2500	.7	74.8	78.7	80.0	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.9	81.9	83.2	83.2
≥ 2000	.7	74.8	78.7	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6	83.9	83.9
≥ 1800	.7	74.8	78.7	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6	83.9	83.9
≥ 1500	.7	74.8	78.7	80.7	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6	83.9	83.9
≥ 1200	.7	74.8	78.7	81.3	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	83.2	83.2	84.5	84.5
≥ 1000	.7	74.8	79.4	81.9	82.6	82.6	83.2	83.9	83.9	83.9	83.9	83.9	84.5	84.5	85.8	85.8
≥ 900	.7	74.8	79.4	81.9	82.6	82.6	83.2	83.9	83.9	83.9	83.9	83.9	84.5	84.5	85.8	85.8
≥ 800	.7	74.8	79.4	81.9	82.6	82.6	83.9	84.5	84.5	84.5	84.5	84.5	85.2	85.2	86.5	86.5
≥ 700	.7	74.8	79.4	81.9	82.6	82.6	84.5	85.2	85.2	85.2	85.2	85.2	85.8	85.8	87.1	87.1
≥ 600	.7	74.8	79.4	81.9	82.6	82.6	84.5	85.2	85.2	85.2	85.2	85.2	85.8	85.8	87.1	87.1
≥ 500	.7	75.5	80.0	83.9	84.5	84.5	86.5	87.1	87.1	87.7	87.7	87.7	88.4	88.4	89.7	89.7
≥ 400	.7	75.5	80.0	84.5	86.5	86.5	90.3	91.0	91.0	91.6	91.6	91.6	92.3	92.3	93.6	93.6
≥ 300	.7	75.5	80.7	85.2	87.7	88.4	92.3	92.9	92.9	93.6	93.6	93.6	94.8	94.8	96.1	96.1
≥ 200	.7	75.5	80.7	85.2	87.7	88.4	92.3	92.9	92.9	93.6	93.6	93.6	94.8	94.8	96.1	96.8
≥ 100	.7	75.5	80.7	85.2	87.7	88.4	92.3	92.9	92.9	93.6	93.6	93.6	94.8	94.8	96.1	98.1
0	.7	75.5	80.7	85.2	87.7	88.4	92.3	92.9	92.9	93.6	93.6	93.6	94.8	94.8	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH) | 04 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	56.8	59.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	1.3	58.7	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	1.3	58.7	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	1.3	58.7	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	1.3	58.7	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	1.3	60.7	63.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000	1.3	61.9	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	1.3	61.9	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	1.3	65.2	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	1.3	65.2	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000	1.3	65.8	70.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	1.3	66.5	71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500	1.3	67.1	71.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	1.3	67.1	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	1.3	67.1	72.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	1.3	69.7	74.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	1.3	69.7	74.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	1.3	69.7	74.8	78.1	79.4	79.4	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	1.3	69.7	74.8	78.1	79.4	79.4	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	1.3	69.7	75.5	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200	1.3	70.3	76.1	79.4	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1000	1.3	70.3	76.1	80.0	81.3	81.3	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6
≥ 900	1.3	70.3	78.1	81.9	83.2	83.2	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 800	1.3	70.3	78.1	81.9	83.2	83.9	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2
≥ 700	1.3	71.0	78.7	83.2	85.2	85.8	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	1.3	71.0	78.7	83.2	85.2	86.5	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 500	1.3	71.0	78.7	83.2	85.2	87.1	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0
≥ 400	1.3	71.0	79.4	83.9	86.5	88.4	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 300	1.3	71.0	80.0	85.2	87.7	89.7	91.6	91.6	91.6	91.6	92.9	92.9	92.9	92.9	92.9	92.9
≥ 200	1.3	71.0	80.0	85.2	87.7	90.3	92.3	92.9	92.9	92.9	94.8	94.8	94.8	94.8	94.8	94.8
≥ 100	1.3	71.0	80.0	85.2	87.7	90.3	92.3	92.9	92.9	92.9	94.8	94.8	94.8	94.8	94.8	97.4
0	1.3	71.0	80.0	85.2	87.7	90.3	92.3	92.9	92.9	92.9	94.8	94.8	94.8	94.8	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) OCT (MONTH) 07 (HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.9	45.8	49.0	49.7	50.3	50.3	52.3	52.3	52.3	53.6	54.2	54.2	54.8	54.8	55.5	56.1
≥ 20000	1.9	48.4	52.3	52.9	53.6	53.6	55.5	56.1	56.1	57.4	58.1	58.1	58.7	58.7	59.4	60.0
≥ 18000	1.9	48.4	52.3	52.9	53.6	53.6	55.5	56.1	56.1	57.4	58.1	58.1	58.7	58.7	59.4	60.0
≥ 16000	1.9	48.4	52.3	52.9	53.6	53.6	55.5	56.1	56.1	57.4	58.1	58.1	58.7	58.7	59.4	60.0
≥ 14000	1.9	48.4	52.3	52.9	53.6	53.6	55.5	56.1	56.1	57.4	58.1	58.1	58.7	58.7	59.4	60.7
≥ 12000	1.9	50.3	54.2	54.8	55.5	55.5	57.4	58.1	58.1	59.4	60.0	60.0	60.7	60.7	61.3	62.6
≥ 10000	1.9	52.9	57.4	58.1	58.7	58.7	60.7	61.3	61.3	62.6	63.2	63.2	63.9	63.9	64.5	65.8
≥ 9000	1.9	52.9	57.4	58.1	58.7	58.7	60.7	61.3	61.3	62.6	63.2	63.2	63.9	63.9	64.5	65.8
≥ 8000	1.9	55.5	60.0	61.3	61.9	61.9	63.9	64.5	64.5	65.8	66.5	66.5	67.1	67.1	67.7	69.0
≥ 7000	1.9	56.1	60.7	61.9	62.6	62.6	64.5	65.2	65.2	66.5	67.1	67.1	67.7	67.7	68.4	69.7
≥ 6000	1.9	56.1	61.3	62.6	63.2	63.2	65.2	66.5	66.5	68.4	69.0	69.0	69.7	69.7	70.3	71.6
≥ 5000	1.9	56.8	61.9	63.2	64.5	64.5	66.5	67.7	67.7	69.7	70.3	70.3	71.0	71.0	71.6	72.9
≥ 4500	1.9	57.4	62.6	63.9	65.2	65.2	67.1	68.4	68.4	70.3	71.0	71.0	71.6	71.6	72.3	73.6
≥ 4000	1.9	59.4	64.5	65.8	67.1	67.1	69.0	70.3	70.3	72.3	72.9	72.9	73.6	73.6	74.2	75.5
≥ 3500	1.9	60.0	65.2	66.5	67.7	67.7	69.7	71.0	71.0	72.9	73.6	73.6	74.2	74.2	74.8	76.1
≥ 3000	1.9	61.3	67.1	68.4	69.7	69.7	71.6	72.9	72.9	74.8	75.5	75.5	76.1	76.1	76.8	78.1
≥ 2500	1.9	61.9	67.7	69.7	71.0	71.0	72.9	74.2	74.2	76.1	76.8	76.8	77.4	77.4	78.1	79.4
≥ 2000	1.9	62.6	68.4	70.3	71.6	71.6	73.6	74.8	74.8	76.8	77.4	77.4	78.1	78.1	78.7	80.0
≥ 1800	1.9	62.6	68.4	70.3	71.6	71.6	73.6	74.8	74.8	76.8	77.4	77.4	78.1	78.1	78.7	80.0
≥ 1500	1.9	62.6	69.0	71.0	72.3	72.3	74.2	76.1	76.1	78.1	78.7	78.7	79.4	79.4	80.0	81.3
≥ 1200	1.9	62.6	69.0	71.0	72.3	72.3	74.2	76.1	76.1	78.1	78.7	78.7	79.4	79.4	80.0	81.3
≥ 1000	1.9	63.2	69.7	71.6	72.9	74.2	76.1	78.1	78.7	80.7	81.3	81.3	81.9	81.9	82.6	83.9
≥ 900	1.9	63.2	69.7	71.6	72.9	74.8	76.8	78.7	79.4	81.3	81.9	81.9	82.6	82.6	83.2	84.5
≥ 800	1.9	63.9	70.3	72.3	73.6	75.5	78.1	80.7	81.3	83.2	83.9	83.9	84.5	84.5	85.2	86.5
≥ 700	1.9	64.5	71.0	72.9	74.2	76.1	78.7	81.3	81.9	83.9	84.5	84.5	85.2	85.2	85.8	87.1
≥ 600	1.9	64.5	71.0	72.9	74.2	76.1	80.7	83.2	83.9	85.8	86.5	86.5	87.1	87.1	87.7	89.0
≥ 500	1.9	64.5	71.0	72.9	74.8	76.8	81.3	83.9	84.5	86.5	87.1	87.1	87.7	87.7	88.4	89.7
≥ 400	1.9	64.5	71.0	72.9	74.8	76.8	81.9	86.5	87.7	89.7	91.0	91.0	91.6	91.6	92.3	93.6
≥ 300	1.9	64.5	71.0	72.9	75.5	77.4	83.2	87.7	89.0	91.0	92.3	92.3	93.6	93.6	94.2	95.5
≥ 200	1.9	64.5	71.0	72.9	75.5	77.4	83.2	88.4	89.7	91.6	92.9	92.9	95.5	95.5	96.1	97.4
≥ 100	1.9	64.5	71.0	72.9	75.5	77.4	83.2	88.4	89.7	91.6	92.9	92.9	95.5	95.5	96.8	100.0
≥ 0	1.9	64.5	71.0	72.9	75.5	77.4	83.2	88.4	89.7	91.6	92.9	92.9	95.5	95.5	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 (HOURS (L S T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.5	47.7	50.3	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	4.5	52.3	54.8	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	4.5	52.9	55.5	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	4.5	52.9	55.5	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	4.5	53.6	56.1	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	4.5	54.2	57.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	4.5	56.8	61.3	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	4.5	58.1	62.6	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	4.5	60.7	65.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	4.5	60.7	65.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	4.5	60.7	65.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	4.5	61.3	65.8	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	4.5	61.9	66.5	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	4.5	62.6	67.7	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	4.5	65.2	70.3	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	4.5	67.7	73.6	75.5	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	4.5	69.7	75.5	78.1	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	4.5	70.3	76.1	78.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	4.5	70.3	76.1	78.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	4.5	70.3	76.8	79.4	81.3	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1200	4.5	71.0	77.4	80.0	82.6	83.2	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	4.5	71.0	77.4	81.3	84.5	85.2	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	4.5	71.0	77.4	81.3	84.5	85.2	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	4.5	71.0	78.1	83.2	87.1	87.7	88.4	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	4.5	71.0	78.1	83.2	87.1	87.7	88.4	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	4.5	71.0	78.1	83.2	87.1	88.4	89.7	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	4.5	71.6	78.7	83.9	88.4	89.7	91.6	93.6	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	4.5	71.6	78.7	83.9	88.4	89.7	92.3	94.2	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	4.5	71.6	78.7	83.9	88.4	89.7	92.3	94.2	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 200	4.5	71.6	78.7	83.9	88.4	89.7	92.3	94.2	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0
≥ 100	4.5	71.6	78.7	83.9	88.4	89.7	92.3	94.2	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0
0	4.5	71.6	78.7	83.9	88.4	89.7	92.3	94.2	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH) | 13 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.2	40.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	3.2	48.4	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	3.2	48.4	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	3.2	50.3	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	3.2	50.3	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	3.2	52.3	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	3.2	54.8	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	3.2	55.5	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	3.9	58.1	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	3.9	58.1	64.5	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	3.9	59.4	65.8	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	3.9	60.7	67.1	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	3.9	61.3	67.7	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	4.5	65.2	71.6	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	4.5	67.1	73.6	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	4.5	72.3	78.7	80.0	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500	4.5	73.6	80.0	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	4.5	74.2	81.3	82.6	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	4.5	74.2	81.3	82.6	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	4.5	74.8	82.6	83.9	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	4.5	74.8	82.6	84.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	4.5	75.5	83.2	85.2	88.4	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 900	4.5	75.5	83.2	85.2	88.4	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	4.5	75.5	83.2	85.2	88.4	90.3	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	4.5	75.5	83.2	85.2	88.4	90.3	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	4.5	75.5	83.2	85.2	88.4	91.0	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	4.5	75.5	83.9	85.8	89.0	91.6	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	4.5	75.5	83.9	85.8	89.0	91.6	94.8	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	4.5	75.5	83.9	85.8	89.0	91.6	94.8	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	4.5	75.5	83.9	85.8	89.0	91.6	94.8	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	4.5	75.5	83.9	85.8	89.0	91.6	94.8	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	4.5	75.5	83.9	85.8	89.0	91.6	94.8	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH) | 16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.9	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	3.9	57.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	3.9	57.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	3.9	57.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	3.9	58.1	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	3.9	58.7	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	3.9	61.3	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	3.9	61.9	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	4.5	64.5	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 7000	4.5	65.2	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	4.5	66.5	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000	4.5	67.1	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	4.5	67.7	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	4.5	71.0	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	4.5	71.6	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	4.5	72.9	77.4	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	4.5	75.5	80.7	81.3	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	4.5	76.1	81.3	82.6	82.6	83.2	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	4.5	76.1	81.3	82.6	82.6	83.2	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	4.5	77.4	82.6	84.5	84.5	85.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	4.5	77.4	82.6	84.5	84.5	85.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	4.5	78.1	83.2	85.2	85.8	86.5	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	4.5	78.1	83.2	85.2	85.8	86.5	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800	4.5	78.1	84.5	86.5	87.1	87.7	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 700	4.5	78.1	84.5	86.5	87.1	87.7	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600	4.5	78.1	84.5	87.1	87.7	88.4	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	4.5	78.7	85.2	88.4	89.7	90.3	94.8	94.8	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	4.5	78.7	85.2	88.4	89.7	90.3	95.5	96.1	96.8	96.8	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	4.5	78.7	85.2	88.4	89.7	90.3	96.1	96.8	97.4	97.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	4.5	78.7	85.2	88.4	89.7	90.3	96.1	96.8	97.4	97.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	4.5	78.7	85.2	88.4	89.7	90.3	96.1	96.8	97.4	97.4	99.4	99.4	100.0	100.0	100.0	100.0
0	4.5	78.7	85.2	88.4	89.7	90.3	96.1	96.8	97.4	97.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH) | 19 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	54.2	54.2	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	.7	59.4	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	.7	59.4	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000	.7	59.4	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 14000	.7	59.4	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	.7	59.4	60.0	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	.7	61.9	62.6	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	.7	62.6	63.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 8000	.7	65.2	66.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	.7	65.8	67.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	.7	67.7	69.7	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	.7	69.0	71.0	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500	.7	71.6	73.6	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	.7	72.9	74.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	.7	72.9	74.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	.7	75.5	77.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	.7	76.1	78.1	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	.7	76.8	79.4	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	.7	76.8	79.4	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	.7	77.4	80.0	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1200	.7	77.4	80.0	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	.7	78.1	80.7	83.9	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	.7	78.1	80.7	83.9	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	.7	78.1	80.7	84.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	.7	78.1	81.3	85.8	87.7	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	.7	78.1	81.3	85.8	88.4	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 500	.7	78.1	81.3	85.8	88.4	90.3	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 400	.7	78.7	81.9	86.5	89.7	92.3	94.8	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	.7	78.7	81.9	86.5	89.7	92.3	95.5	96.1	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	.7	78.7	81.9	86.5	89.7	92.3	95.5	96.1	96.1	96.8	98.1	98.1	98.7	98.7	98.7	98.7
≥ 100	.7	78.7	81.9	86.5	89.7	92.3	95.5	96.1	96.1	96.8	98.1	98.1	98.7	98.7	99.4	100.0
0	.7	78.7	81.9	86.5	89.7	92.3	95.5	96.1	96.1	96.8	98.1	98.1	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	52.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	.7	54.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
M/V 18000	.7	54.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
M/V 16000	.7	54.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
M/V 14000	.7	55.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
M/V 12000	.7	57.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
M/V 10000	.7	61.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
M/V 9000	.7	63.2	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
M/V 8000	.7	65.2	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
M/V 7000	.7	67.1	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
M/V 6000	.7	67.7	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
M/V 5000	.7	69.0	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
M/V 4500	.7	71.0	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
M/V 4000	.7	73.6	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
M/V 3500	.7	73.6	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
M/V 3000	.7	74.2	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
M/V 2500	.7	75.5	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
M/V 2000	.7	76.1	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
M/V 1800	.7	76.1	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
M/V 1500	.7	76.8	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
M/V 1200	.7	76.8	81.9	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
M/V 1000	.7	77.4	82.6	83.2	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
M/V 900	.7	77.4	82.6	83.2	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
M/V 800	.7	77.4	82.6	83.2	84.5	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
M/V 700	.7	77.4	82.6	83.2	84.5	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
M/V 600	.7	77.4	82.6	83.9	85.2	85.2	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
M/V 500	.7	77.4	82.6	85.8	87.7	87.7	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
M/V 400	.7	78.1	83.2	86.5	89.0	89.0	91.6	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
M/V 300	.7	78.1	83.2	86.5	89.0	89.0	91.6	92.9	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8
M/V 200	.7	78.1	83.2	86.5	89.0	89.0	92.3	93.6	94.2	94.8	96.1	96.1	96.1	96.1	96.1	96.1
M/V 100	.7	78.1	83.2	86.5	89.0	89.0	92.3	93.6	94.2	94.8	96.8	96.8	96.8	96.8	97.4	98.7
M/V 0	.7	78.1	83.2	86.5	89.0	89.0	92.3	93.6	94.2	94.8	96.8	96.8	96.8	96.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | OCT (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.1	50.8	53.1	53.7	54.0	54.0	54.2	54.3	54.3	54.4	54.6	54.6	54.8	54.8	55.0	55.1
≥ 20000	2.1	54.7	57.1	58.1	58.3	58.3	58.6	58.7	58.7	58.9	59.0	59.0	59.2	59.2	59.4	59.5
≥ 18000	2.1	54.8	57.2	58.2	58.4	58.4	58.6	58.8	58.8	59.0	59.1	59.1	59.3	59.3	59.5	59.6
≥ 16000	2.1	55.0	57.4	58.4	58.6	58.6	58.9	59.0	59.0	59.2	59.4	59.4	59.5	59.5	59.8	59.8
≥ 14000	2.1	55.2	57.7	58.7	59.0	59.0	59.2	59.4	59.4	59.5	59.7	59.7	59.8	59.8	60.1	60.2
≥ 12000	2.1	56.5	59.2	60.2	60.5	60.5	60.7	60.9	60.9	61.1	61.2	61.2	61.4	61.4	61.6	61.8
≥ 10000	2.1	59.2	62.5	63.6	63.9	63.9	64.1	64.3	64.3	64.4	64.6	64.6	64.8	64.8	65.0	65.2
≥ 9000	2.1	59.9	63.2	64.4	64.6	64.6	64.8	65.0	65.0	65.2	65.3	65.3	65.5	65.5	65.7	65.9
≥ 8000	2.3	62.6	66.5	67.8	68.1	68.1	68.3	68.5	68.5	68.6	68.8	68.8	69.0	69.0	69.2	69.4
≥ 7000	2.3	63.2	67.2	68.5	68.9	68.9	69.1	69.3	69.3	69.4	69.6	69.6	69.8	69.8	70.0	70.2
≥ 6000	2.3	64.0	68.1	69.4	69.8	69.8	70.1	70.3	70.3	70.6	70.7	70.7	70.9	70.9	71.1	71.3
≥ 5000	2.3	64.8	69.0	70.2	70.8	70.8	71.1	71.3	71.3	71.5	71.7	71.7	71.9	71.9	72.1	72.3
≥ 4500	2.3	65.9	70.1	71.4	72.0	72.0	72.3	72.5	72.5	72.7	72.9	72.9	73.1	73.1	73.3	73.5
≥ 4000	2.3	67.7	72.1	73.4	74.1	74.1	74.4	74.6	74.6	74.8	75.0	75.0	75.2	75.2	75.4	75.6
≥ 3500	2.3	68.6	73.1	74.4	75.1	75.1	75.3	75.6	75.6	75.8	76.0	76.0	76.1	76.1	76.4	76.5
≥ 3000	2.3	70.8	75.4	76.8	77.7	77.8	78.2	78.5	78.5	78.7	78.9	78.9	79.0	79.0	79.3	79.4
≥ 2500	2.3	72.1	76.9	78.5	79.4	79.6	80.0	80.2	80.2	80.5	80.7	80.7	80.8	80.8	81.1	81.2
≥ 2000	2.3	72.6	77.5	79.4	80.4	80.6	81.0	81.2	81.3	81.5	81.7	81.7	81.9	81.9	82.1	82.3
≥ 1800	2.3	72.6	77.5	79.4	80.4	80.6	81.0	81.2	81.3	81.5	81.7	81.7	81.9	81.9	82.1	82.3
≥ 1500	2.3	73.0	78.4	80.4	81.5	81.7	82.1	82.5	82.7	82.9	83.1	83.1	83.2	83.2	83.5	83.6
≥ 1200	2.3	73.2	78.6	80.8	82.0	82.3	82.7	83.1	83.2	83.5	83.6	83.6	83.8	83.8	84.0	84.2
≥ 1000	2.3	73.6	79.0	81.5	83.2	83.7	84.7	85.2	85.5	85.7	85.9	85.9	86.1	86.1	86.3	86.5
≥ 900	2.3	73.6	79.3	81.8	83.4	84.0	85.0	85.6	85.8	86.1	86.2	86.2	86.4	86.4	86.6	86.8
≥ 800	2.3	73.6	79.6	82.3	84.1	84.9	86.4	87.1	87.3	87.7	87.8	87.8	88.0	88.0	88.2	88.4
≥ 700	2.3	73.8	79.8	82.7	84.6	85.5	87.2	88.0	88.2	88.6	88.7	88.7	88.9	88.9	89.1	89.3
≥ 600	2.3	73.8	79.8	82.9	84.8	86.0	88.2	89.1	89.5	89.8	90.0	90.0	90.2	90.2	90.4	90.6
≥ 500	2.3	74.0	80.2	83.7	86.0	87.3	89.9	91.0	91.4	91.9	92.3	92.3	92.4	92.4	92.7	92.8
≥ 400	2.3	74.2	80.4	84.0	86.7	88.1	91.5	92.9	93.6	94.3	94.9	94.9	95.1	95.1	95.3	95.5
≥ 300	2.3	74.2	80.6	84.3	87.1	88.6	92.2	93.7	94.4	95.3	96.1	96.2	96.6	96.6	96.9	97.0
≥ 200	2.3	74.2	80.6	84.3	87.1	88.6	92.3	94.0	94.8	95.7	96.8	96.9	97.5	97.5	97.7	98.0
≥ 100	2.3	74.2	80.6	84.3	87.1	88.6	92.3	94.0	94.8	95.7	96.9	96.9	97.6	97.6	98.1	99.3
0	2.3	74.2	80.6	84.3	87.1	88.6	92.3	94.0	94.8	95.7	96.9	96.9	97.6	97.6	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH) | 01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.3	53.3	54.0	54.0	54.7	54.7
≥ 20000		54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.3	55.3	56.0	56.0	56.7	56.7
≥ 18000		54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.3	55.3	56.0	56.0	56.7	56.7
≥ 16000		54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.3	55.3	56.0	56.0	56.7	56.7
≥ 14000		54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.3	55.3	56.0	56.0	56.7	56.7
≥ 12000		55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.7	56.7	57.3	57.3	58.0	58.0
≥ 10000		60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.3	61.3	62.0	62.0	62.7	62.7
≥ 9000		60.7	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.7	62.7	63.3	63.3	64.0	64.0
≥ 8000		64.0	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	66.0	66.0	66.7	66.7	67.3	67.3
≥ 7000		66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	68.0	68.0	68.7	68.7	69.3	69.3
≥ 6000		67.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.3	69.3	70.0	70.0	70.7	70.7
≥ 5000		69.3	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.3	71.3	72.0	72.0	72.7	72.7
≥ 4500		70.0	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.7	72.7	73.3	73.3	74.0	74.0
≥ 4000		72.0	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.7	74.7	75.3	75.3	76.0	76.0
≥ 3500		73.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	76.0	76.0	76.7	76.7	77.3	77.3
≥ 3000		75.3	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7	78.7	79.3	79.3	80.7	80.7
≥ 2500		76.0	78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	80.0	80.0	80.7	80.7	82.0	82.0
≥ 2000		76.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7	81.3	81.3	82.7	82.7
≥ 1800		76.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7	81.3	81.3	82.7	82.7
≥ 1500		76.7	78.7	80.0	80.0	80.0	80.7	80.7	80.7	80.7	81.3	81.3	82.0	82.0	83.3	83.3
≥ 1200		76.7	78.7	80.0	80.0	80.0	80.7	80.7	80.7	80.7	81.3	81.3	82.0	82.0	83.3	83.3
≥ 1000		77.3	80.0	81.3	82.0	82.0	82.7	83.3	83.3	83.3	84.0	84.0	84.7	84.7	86.0	86.0
≥ 900		77.3	80.0	82.0	82.7	82.7	83.3	84.0	84.0	84.0	84.7	84.7	85.3	85.3	86.7	86.7
≥ 800		77.3	80.0	82.0	82.7	82.7	83.3	84.0	84.0	84.7	85.3	85.3	86.0	86.0	87.3	87.3
≥ 700		77.3	80.7	82.7	83.3	84.0	85.3	86.0	86.0	86.7	87.3	87.3	88.0	88.0	89.3	89.3
≥ 600		77.3	80.7	83.3	84.0	84.7	86.0	86.7	86.7	87.3	88.7	88.7	89.3	89.3	90.7	90.7
≥ 500		77.3	81.3	84.0	84.7	85.3	86.7	87.3	87.3	88.0	89.3	89.3	90.0	90.0	91.3	91.3
≥ 400		77.3	81.3	84.7	85.3	86.0	87.3	88.0	88.0	89.3	90.7	90.7	91.3	91.3	92.7	92.7
≥ 300		77.3	81.3	84.7	85.3	86.0	88.0	88.7	88.7	90.0	91.3	91.3	92.0	92.0	93.3	93.3
≥ 200		77.3	81.3	85.3	87.3	88.0	90.0	90.7	90.7	92.0	93.3	93.3	94.0	94.0	96.0	96.0
≥ 100		77.3	81.3	85.3	87.3	88.7	90.7	91.3	91.3	92.7	94.0	94.0	96.0	96.0	98.7	98.7
0		77.3	81.3	85.3	87.3	88.7	90.7	91.3	91.3	92.7	94.0	94.0	96.0	96.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH) | 04 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		52.0	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.3	53.3	53.3	53.3	53.3	54.0
≥ 20000		54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.3	55.3	55.3	55.3	55.3	56.0
≥ 18000		54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.3	55.3	55.3	55.3	55.3	56.0
≥ 16000		54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.3	55.3	55.3	55.3	55.3	56.0
≥ 14000		54.7	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.7
≥ 12000		55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.7	56.7	56.7	56.7	56.7	57.3
≥ 10000		58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.3	59.3	59.3	59.3	59.3	60.0
≥ 9000		58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.3	59.3	59.3	59.3	59.3	60.0
≥ 8000		62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	63.3	63.3	63.3	63.3	63.3	64.0
≥ 7000		62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.7
≥ 6000		64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	66.0
≥ 5000		66.7	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.3	69.3	69.3	69.3	69.3	70.0
≥ 4500		69.3	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.7
≥ 4000		70.7	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	74.0
≥ 3500		71.3	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.7
≥ 3000		72.7	74.0	76.0	76.0	76.7	76.7	76.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3	78.0
≥ 2500		74.0	75.3	78.0	78.0	79.3	79.3	79.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.7
≥ 2000		75.3	76.7	79.3	79.3	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	82.0
≥ 1800		75.3	76.7	79.3	79.3	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	82.0
≥ 1500		76.7	78.0	80.7	81.3	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.7
≥ 1200		76.7	78.0	80.7	81.3	83.3	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.7
≥ 1000		76.7	78.7	81.3	82.0	84.0	84.0	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	85.3
≥ 900		77.3	79.3	82.0	82.7	84.7	84.7	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	86.0
≥ 800		77.3	79.3	82.0	83.3	85.3	85.3	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.7
≥ 700		77.3	80.0	83.3	84.7	86.7	86.7	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	88.0
≥ 600		77.3	80.0	83.3	85.3	87.3	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.7
≥ 500		77.3	80.0	83.3	85.3	87.3	87.3	87.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	89.3
≥ 400		77.3	80.0	83.3	86.7	88.7	88.7	90.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3	92.0
≥ 300		77.3	80.0	84.0	87.3	89.3	89.3	90.7	91.3	91.3	92.7	92.7	93.3	93.3	93.3	94.0
≥ 200		77.3	80.0	84.0	88.0	90.0	90.7	92.0	92.7	92.7	94.0	94.0	95.3	95.3	96.0	96.7
≥ 100		77.3	80.0	84.0	88.0	90.0	90.7	92.0	92.7	92.7	94.0	94.0	95.3	95.3	96.7	97.3
0		77.3	80.0	84.0	88.0	90.0	90.7	92.0	92.7	92.7	94.0	94.0	96.0	96.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH) | 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		45.3	46.7	47.3	47.3	47.3	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	49.3	49.3
≥ 20000		47.3	48.7	49.3	49.3	49.3	50.0	50.7	50.7	50.7	50.7	50.7	51.3	51.3	52.0	52.0
≥ 18000		47.3	48.7	49.3	49.3	49.3	50.0	50.7	50.7	50.7	50.7	50.7	51.3	51.3	52.0	52.0
≥ 16000		47.3	48.7	49.3	49.3	49.3	50.0	50.7	50.7	50.7	50.7	50.7	51.3	51.3	52.0	52.0
≥ 14000		47.3	48.7	49.3	49.3	49.3	50.0	50.7	50.7	50.7	50.7	50.7	51.3	51.3	52.0	52.0
≥ 12000		48.0	49.3	50.0	50.0	50.0	50.7	51.3	51.3	51.3	51.3	51.3	52.0	52.0	52.7	52.7
≥ 10000		53.3	54.7	55.3	55.3	55.3	56.0	57.3	57.3	57.3	57.3	57.3	58.0	58.0	58.7	58.7
≥ 9000		54.0	55.3	56.0	56.0	56.0	56.7	58.0	58.0	58.0	58.0	58.0	58.7	58.7	59.3	59.3
≥ 8000		56.7	58.0	59.3	59.3	59.3	60.0	61.3	61.3	61.3	61.3	61.3	62.0	62.0	62.7	62.7
≥ 7000		58.0	59.3	60.7	60.7	60.7	61.3	62.7	62.7	62.7	62.7	62.7	63.3	63.3	64.0	64.0
≥ 6000		59.3	60.7	62.0	62.0	62.0	62.7	64.0	64.0	64.0	64.0	64.0	64.7	64.7	65.3	65.3
≥ 5000		61.3	62.7	64.0	64.0	64.0	64.7	66.0	66.0	66.0	66.0	66.0	66.7	66.7	67.3	67.3
≥ 4500		62.7	64.0	65.3	65.3	65.3	66.0	67.3	67.3	67.3	67.3	67.3	68.0	68.0	68.7	68.7
≥ 4000		65.3	67.3	68.7	68.7	68.7	69.3	70.7	70.7	70.7	71.3	71.3	72.0	72.0	72.7	72.7
≥ 3500		66.0	68.0	69.3	69.3	70.0	70.7	72.0	72.0	72.0	72.7	72.7	73.3	73.3	74.0	74.0
≥ 3000		66.7	68.7	70.0	70.0	70.7	71.3	72.7	72.7	72.7	73.3	73.3	74.0	74.0	74.7	74.7
≥ 2500		68.7	70.7	72.0	72.0	72.7	73.3	74.7	74.7	74.7	75.3	75.3	76.0	76.0	76.7	76.7
≥ 2000		69.3	71.3	72.7	73.3	74.0	74.7	76.0	76.0	76.0	76.7	76.7	77.3	77.3	78.0	78.0
≥ 1800		70.0	72.0	73.3	74.0	74.7	75.3	76.7	76.7	76.7	77.3	77.3	78.0	78.0	78.7	78.7
≥ 1500		72.7	74.7	76.7	77.3	78.0	78.7	80.0	80.0	80.0	80.7	80.7	81.3	81.3	82.0	82.0
≥ 1200		72.7	74.7	76.7	77.3	78.0	78.7	80.0	80.0	80.0	80.7	80.7	81.3	81.3	82.0	82.0
≥ 1000		73.3	76.0	78.0	78.7	79.3	80.0	81.3	81.3	81.3	82.7	82.7	83.3	83.3	84.0	84.0
≥ 900		73.3	76.0	78.0	78.7	79.3	80.0	81.3	81.3	81.3	82.7	82.7	83.3	83.3	84.0	84.0
≥ 800		74.0	76.7	78.7	79.3	80.0	80.7	82.0	82.0	82.7	84.0	84.0	84.7	84.7	85.3	85.3
≥ 700		74.0	77.3	79.3	80.0	80.7	81.3	82.7	82.7	83.3	84.7	84.7	85.3	85.3	86.0	86.0
≥ 600		74.0	77.3	79.3	80.0	80.7	81.3	82.7	82.7	84.0	85.3	85.3	86.0	86.0	86.7	86.7
≥ 500		74.0	77.3	80.0	81.3	82.0	84.7	86.7	86.7	88.0	89.3	89.3	90.0	90.0	90.7	90.7
≥ 400		74.0	77.3	80.0	81.3	82.0	84.7	87.3	87.3	88.7	91.3	91.3	92.0	92.0	92.7	92.7
≥ 300		74.0	77.3	80.7	82.0	82.7	85.3	88.0	88.0	89.3	92.0	92.0	92.7	92.7	93.3	93.3
≥ 200		74.0	77.3	80.7	82.0	82.7	85.3	88.7	88.7	90.0	92.7	92.7	93.3	93.3	94.0	94.7
≥ 100		74.0	77.3	80.7	82.0	82.7	85.3	88.7	88.7	90.0	93.3	93.3	95.3	95.3	96.7	98.7
0		74.0	77.3	80.7	82.0	82.7	85.3	88.7	88.7	90.0	93.3	93.3	95.3	95.3	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) NOV (MONTH) 10 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	46.7	48.0	48.7	48.7	48.7	48.7	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	3.3	48.7	50.0	50.7	50.7	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	3.3	48.7	50.0	50.7	50.7	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	3.3	48.7	50.0	50.7	50.7	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	3.3	48.7	50.0	50.7	51.3	51.3	51.3	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	3.3	48.7	50.0	50.7	51.3	51.3	51.3	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 10000	3.3	51.3	52.7	53.3	54.0	54.0	54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 9000	3.3	52.0	53.3	54.7	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 8000	3.3	56.7	58.7	60.0	60.7	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	3.3	58.0	60.0	61.3	62.7	62.7	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	3.3	61.3	63.3	64.7	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	3.3	63.3	65.3	67.3	68.7	68.7	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	3.3	65.3	67.3	69.3	70.7	70.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	3.3	66.0	68.0	70.0	72.0	72.0	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	3.3	67.3	70.0	72.0	74.0	74.0	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	3.3	68.7	72.0	74.0	76.0	76.0	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500	3.3	68.7	72.0	74.0	76.0	76.0	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2000	3.3	69.3	74.7	76.7	78.7	78.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1800	3.3	70.7	76.0	78.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	3.3	72.0	77.3	79.3	81.3	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	3.3	72.7	78.0	80.0	82.7	82.7	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	3.3	72.7	78.0	80.0	82.7	82.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 900	3.3	72.7	78.0	80.0	82.7	82.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 800	3.3	72.7	78.0	80.7	83.3	83.3	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 700	3.3	72.7	78.0	82.0	84.7	84.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 600	3.3	72.7	78.0	82.0	84.7	84.7	86.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 500	3.3	73.3	78.7	82.7	85.3	85.3	88.0	88.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 400	3.3	73.3	78.7	82.7	86.0	86.0	88.7	89.3	91.3	91.3	92.0	92.0	92.0	92.0	92.7	92.7
≥ 300	3.3	73.3	78.7	83.3	86.7	86.7	89.3	90.7	92.7	92.7	93.3	94.7	94.7	94.7	95.3	95.3
≥ 200	3.3	73.3	78.7	83.3	86.7	86.7	89.3	90.7	92.7	92.7	93.3	94.7	95.3	95.3	96.0	96.0
≥ 100	3.3	73.3	78.7	83.3	86.7	86.7	89.3	90.7	92.7	92.7	93.3	94.7	96.0	96.0	98.0	99.3
≥ 0	3.3	73.3	78.7	83.3	86.7	86.7	89.3	90.7	92.7	92.7	93.3	94.7	96.0	96.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) NOV (MONTH) 13 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.3	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	3.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	3.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	3.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	3.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	3.3	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	4.7	60.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 9000	4.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 8000	4.7	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	4.7	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	4.7	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 5000	4.7	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	4.7	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	4.7	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	4.7	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	4.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	4.7	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	4.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1800	4.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1500	4.7	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1200	4.7	84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1000	4.7	84.0	87.3	88.0	88.0	88.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 900	4.7	84.0	87.3	88.0	88.0	88.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 800	4.7	84.0	87.3	88.7	88.7	88.7	89.3	89.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7
≥ 700	4.7	84.7	88.0	90.7	90.7	90.7	91.3	91.3	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7
≥ 600	4.7	84.7	88.0	91.3	91.3	91.3	92.0	92.0	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3
≥ 500	4.7	84.7	88.0	91.3	91.3	91.3	92.7	93.3	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3
≥ 400	4.7	84.7	88.7	92.0	92.7	92.7	94.0	94.7	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3
≥ 300	4.7	84.7	88.7	92.0	92.7	92.7	94.0	94.7	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7
≥ 200	4.7	84.7	88.7	92.0	92.7	92.7	94.0	94.7	96.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7
≥ 100	4.7	84.7	88.7	92.0	92.7	92.7	94.0	94.7	96.7	97.3	98.0	98.7	98.7	98.7	100.0	100.0
≥ 0	4.7	84.7	88.7	92.0	92.7	92.7	94.0	94.7	96.7	97.3	98.0	98.7	98.7	98.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.7	42.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 20000	4.0	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 18000	4.0	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 16000	4.0	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 14000	4.0	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000	4.0	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	5.3	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	5.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	5.3	61.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 7000	5.3	62.0	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 6000	5.3	63.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	5.3	65.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4500	5.3	68.0	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	5.3	72.0	73.3	74.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	5.3	74.7	76.0	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	5.3	78.7	80.0	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	5.3	78.7	80.0	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	5.3	81.3	83.3	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	5.3	81.3	83.3	84.0	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	5.3	82.0	84.0	84.7	85.3	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	5.3	82.0	84.7	85.3	86.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000	5.3	82.0	84.7	85.3	86.7	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	5.3	82.0	84.7	85.3	86.7	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	5.3	84.0	86.7	88.0	90.0	90.7	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 700	5.3	84.0	86.7	88.0	90.0	90.7	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 600	5.3	84.0	86.7	88.0	90.7	91.3	92.7	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	5.3	84.0	86.7	88.7	91.3	92.0	94.0	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	5.3	84.0	86.7	88.7	91.3	92.0	94.0	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	5.3	84.0	86.7	88.7	91.3	92.0	94.0	95.3	96.7	97.3	97.3	97.3	98.0	98.0	98.0	98.0
≥ 200	5.3	84.0	86.7	88.7	91.3	92.0	94.0	96.0	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100	5.3	84.0	86.7	88.7	91.3	92.0	94.0	96.0	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0
≥ 0	5.3	84.0	86.7	88.7	91.3	92.0	94.0	96.0	97.3	98.7	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH) | 19 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000		52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000		52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000		52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000		52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000		56.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000		62.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000		62.0	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000		64.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000		65.3	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 6000		66.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000		70.0	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500		72.7	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000		74.0	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500		75.3	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000		76.7	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500		76.7	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000		78.0	81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800		78.0	81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500		78.7	82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1200		80.0	83.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1000		80.0	84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 900		80.7	84.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800		80.7	84.7	86.7	88.0	88.0	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700		80.7	84.7	86.7	88.0	88.0	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 600		80.7	84.7	86.7	88.7	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 500		80.7	84.7	87.3	90.0	90.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 400		80.7	84.7	87.3	91.3	92.7	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300		80.7	84.7	88.0	92.0	93.3	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200		80.7	84.7	88.0	92.7	94.0	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100		80.7	84.7	88.0	92.7	94.0	96.0	97.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7
0		80.7	84.7	88.0	92.7	94.0	96.0	97.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

22 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		48.7	50.0	50.7	50.7	50.7	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	52.0	52.0
≥ 20000		49.3	50.7	51.3	51.3	51.3	51.3	51.3	51.3	52.0	52.0	52.0	52.0	52.0	52.7	52.7
≥ 18000		49.3	50.7	51.3	51.3	51.3	51.3	51.3	51.3	52.0	52.0	52.0	52.0	52.0	52.7	52.7
≥ 16000		49.3	50.7	51.3	51.3	51.3	51.3	51.3	51.3	52.0	52.0	52.0	52.0	52.0	52.7	52.7
≥ 14000		50.0	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.7	52.7	52.7	52.7	52.7	53.3	53.3
≥ 12000		50.7	52.0	52.7	52.7	52.7	52.7	52.7	52.7	53.3	53.3	53.3	53.3	53.3	54.0	54.0
≥ 10000		55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.7	58.7
≥ 9000		57.3	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	61.3	61.3
≥ 8000		62.0	63.3	64.7	64.7	64.7	64.7	64.7	64.7	65.3	65.3	65.3	66.0	66.0	66.7	66.7
≥ 7000		62.0	63.3	64.7	64.7	64.7	64.7	64.7	64.7	65.3	65.3	65.3	66.0	66.0	66.7	66.7
≥ 6000		64.0	66.0	67.3	67.3	67.3	67.3	67.3	67.3	68.0	68.0	68.0	68.7	68.7	69.3	69.3
≥ 5000		66.0	68.0	70.0	70.0	70.0	70.0	70.0	70.0	70.7	70.7	70.7	71.3	71.3	72.0	72.0
≥ 4500		66.0	68.0	70.0	70.0	70.0	70.0	70.0	70.0	70.7	70.7	70.7	71.3	71.3	72.0	72.0
≥ 4000		68.7	71.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0	74.0	74.0	74.7	74.7	75.3	75.3
≥ 3500		69.3	72.0	74.0	74.0	74.0	74.0	74.0	74.0	74.7	74.7	74.7	75.3	75.3	76.0	76.0
≥ 3000		71.3	74.0	76.7	77.3	77.3	77.3	77.3	77.3	78.0	78.0	78.0	78.7	78.7	79.3	79.3
≥ 2500		72.0	74.7	77.3	78.0	78.0	78.7	78.7	78.7	79.3	79.3	79.3	80.0	80.0	80.7	80.7
≥ 2000		72.0	74.7	77.3	78.7	78.7	79.3	79.3	79.3	80.0	80.0	80.0	80.7	80.7	81.3	81.3
≥ 1800		72.7	75.3	78.0	79.3	79.3	80.0	80.0	80.0	80.7	80.7	80.7	81.3	81.3	82.0	82.0
≥ 1500		72.7	76.0	78.7	80.0	80.0	80.7	80.7	80.7	81.3	81.3	81.3	82.0	82.0	82.7	82.7
≥ 1200		72.7	76.0	78.7	80.0	80.0	80.7	80.7	80.7	81.3	81.3	81.3	82.0	82.0	82.7	82.7
≥ 1000		74.0	78.0	80.7	82.0	82.0	83.3	83.3	83.3	84.0	84.0	84.0	84.7	84.7	85.3	85.3
≥ 900		74.0	78.0	80.7	82.0	82.0	83.3	83.3	83.3	84.0	84.0	84.0	84.7	84.7	85.3	85.3
≥ 800		74.0	79.3	82.0	83.3	83.3	84.7	84.7	84.7	85.3	85.3	85.3	86.0	86.0	86.7	86.7
≥ 700		74.0	79.3	82.7	84.0	84.0	85.3	85.3	85.3	86.0	86.0	86.0	86.7	86.7	87.3	87.3
≥ 600		74.7	80.0	84.0	85.3	85.3	86.7	86.7	86.7	87.3	87.3	87.3	88.0	88.0	88.7	88.7
≥ 500		74.7	80.0	84.0	85.3	86.0	87.3	87.3	87.3	88.0	88.0	88.0	88.7	88.7	89.3	89.3
≥ 400		74.7	81.3	85.3	86.7	87.3	88.7	89.3	89.3	90.7	90.7	90.7	91.3	91.3	92.0	92.0
≥ 300		74.7	81.3	86.0	88.0	89.3	90.7	91.3	91.3	92.7	93.3	93.3	94.7	94.7	95.3	95.3
≥ 200		74.7	81.3	86.0	88.0	89.3	90.7	91.3	91.3	94.0	94.7	94.7	96.7	96.7	97.3	97.3
≥ 100		74.7	81.3	86.0	88.0	89.3	90.7	91.3	91.3	94.0	94.7	94.7	96.7	96.7	97.3	97.3
0		74.7	81.3	86.0	88.0	89.3	90.7	91.3	91.3	94.0	94.7	94.7	97.3	98.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.1	48.2	49.2	49.5	49.5	49.5	49.6	49.7	49.8	49.8	50.0	50.0	50.1	50.1	50.3	50.4
≥ 20000	1.3	51.3	52.3	52.6	52.6	52.6	52.7	52.8	52.8	52.9	53.1	53.1	53.3	53.3	53.5	53.6
≥ 18000	1.3	51.3	52.3	52.6	52.6	52.6	52.7	52.8	52.8	52.9	53.1	53.1	53.3	53.3	53.5	53.6
≥ 16000	1.3	51.3	52.3	52.6	52.6	52.6	52.7	52.8	52.8	52.9	53.1	53.1	53.3	53.3	53.5	53.6
≥ 14000	1.3	51.5	52.5	52.8	52.9	52.9	53.0	53.1	53.2	53.3	53.4	53.4	53.6	53.6	53.8	53.9
≥ 12000	1.3	52.8	53.8	54.2	54.3	54.3	54.3	54.4	54.5	54.6	54.8	54.8	54.9	54.9	55.2	55.3
≥ 10000	1.7	57.5	58.7	59.0	59.1	59.1	59.2	59.3	59.4	59.5	59.7	59.7	59.8	59.8	60.1	60.2
≥ 9000	1.7	58.3	59.5	60.2	60.3	60.3	60.3	60.5	60.6	60.7	60.8	60.8	61.0	61.0	61.3	61.3
≥ 8000	1.7	61.7	63.1	63.9	64.0	64.0	64.1	64.3	64.3	64.4	64.6	64.6	64.8	64.8	65.1	65.2
≥ 7000	1.7	62.6	64.0	64.8	65.0	65.0	65.1	65.3	65.3	65.4	65.6	65.6	65.8	65.8	66.1	66.2
≥ 6000	1.7	64.3	65.8	66.7	66.8	66.8	66.9	67.1	67.2	67.3	67.4	67.4	67.7	67.7	67.9	68.0
≥ 5000	1.7	66.5	68.2	69.2	69.3	69.3	69.4	69.6	69.7	69.8	69.9	69.9	70.2	70.2	70.4	70.5
≥ 4500	1.7	68.1	69.8	70.8	71.0	71.0	71.1	71.3	71.3	71.4	71.6	71.6	71.8	71.8	72.1	72.2
≥ 4000	1.7	70.0	71.9	73.0	73.3	73.3	73.4	73.6	73.7	73.8	74.0	74.0	74.3	74.3	74.5	74.6
≥ 3500	1.7	71.5	73.5	74.6	74.8	75.0	75.1	75.3	75.3	75.4	75.7	75.7	75.9	75.9	76.2	76.3
≥ 3000	1.7	73.6	75.7	77.1	77.4	77.7	77.8	77.9	78.0	78.1	78.3	78.3	78.6	78.6	78.9	79.0
≥ 2500	1.7	74.2	76.3	77.8	78.2	78.5	78.7	78.8	78.9	79.0	79.3	79.3	79.5	79.5	79.8	79.9
≥ 2000	1.7	75.3	77.8	79.3	79.8	80.2	80.3	80.5	80.6	80.7	80.9	80.9	81.2	81.2	81.5	81.6
≥ 1800	1.7	75.7	78.2	79.7	80.3	80.6	80.8	80.9	81.0	81.1	81.3	81.3	81.6	81.6	81.9	82.0
≥ 1500	1.7	76.8	79.3	81.0	81.7	82.1	82.4	82.6	82.7	82.8	83.0	83.0	83.3	83.3	83.6	83.7
≥ 1200	1.7	77.2	79.9	81.6	82.3	82.8	83.1	83.3	83.3	83.4	83.7	83.7	83.9	83.9	84.3	84.3
≥ 1000	1.7	77.5	80.8	82.6	83.5	83.9	84.6	84.8	85.0	85.1	85.4	85.4	85.7	85.7	86.0	86.1
≥ 900	1.7	77.7	81.0	82.8	83.8	84.2	84.8	85.1	85.3	85.3	85.7	85.7	85.9	85.9	86.3	86.3
≥ 800	1.7	78.0	81.5	83.6	84.8	85.3	86.0	86.3	86.5	86.8	87.2	87.3	87.5	87.5	87.8	87.9
≥ 700	1.7	78.1	81.8	84.4	85.7	86.2	87.1	87.3	87.6	87.9	88.3	88.3	88.6	88.6	88.9	89.0
≥ 600	1.7	78.2	81.9	84.8	86.3	86.8	87.8	88.1	88.5	88.9	89.3	89.4	89.7	89.7	90.0	90.1
≥ 500	1.7	78.3	82.1	85.2	86.8	87.5	89.0	89.6	90.3	90.7	91.1	91.2	91.4	91.4	91.8	91.8
≥ 400	1.7	78.3	82.3	85.5	87.7	88.4	90.0	91.1	91.8	92.5	93.2	93.3	93.5	93.5	93.9	94.0
≥ 300	1.7	78.3	82.3	85.9	88.2	89.0	90.6	91.9	92.8	93.4	94.3	94.6	95.1	95.1	95.5	95.6
≥ 200	1.7	78.3	82.3	86.0	88.6	89.4	91.3	92.7	93.5	94.4	95.4	95.7	96.4	96.4	97.0	97.2
≥ 100	1.7	78.3	82.3	86.0	88.6	89.5	91.3	92.8	93.6	94.5	95.6	95.8	97.1	97.1	98.3	98.8
0	1.7	78.3	82.3	86.0	88.6	89.5	91.3	92.8	93.6	94.5	95.6	95.8	97.3	97.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) DEC (MONTH) 01 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		49.7	51.0	51.0	51.6	51.6	51.6	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.9	52.9
≥ 20000		52.9	54.2	54.2	54.8	54.8	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.8	56.8
≥ 18000		52.9	54.2	54.2	54.8	54.8	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.8	56.8
≥ 16000		52.9	54.2	54.2	54.8	54.8	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.8	56.8
≥ 14000		52.9	54.2	54.2	54.8	54.8	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.8	56.8
≥ 12000		52.9	54.2	54.2	54.8	54.8	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.8	56.8
≥ 10000		56.1	57.4	57.4	58.1	58.1	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	60.0	60.0
≥ 9000		56.1	57.4	57.4	58.1	58.1	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	60.0	60.0
≥ 8000		57.4	58.7	58.7	59.4	59.4	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	61.3	61.3
≥ 7000		58.7	60.7	60.7	61.3	61.3	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6	63.2	63.2
≥ 6000		58.7	61.3	61.3	61.9	61.9	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.9	63.9
≥ 5000		60.7	63.2	63.2	63.9	63.9	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.8	65.8
≥ 4500		63.9	67.1	67.1	67.7	67.7	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.7	69.7
≥ 4000		64.5	67.7	67.7	69.0	69.0	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	71.0	71.0
≥ 3500		65.2	68.4	68.4	69.7	69.7	70.3	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.6	71.6
≥ 3000		69.0	72.9	72.9	74.2	74.2	75.5	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.8	76.8
≥ 2500		71.6	75.5	75.5	76.8	76.8	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	79.4	79.4
≥ 2000		73.6	77.4	77.4	78.7	78.7	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	81.3	81.3
≥ 1800		74.8	78.7	78.7	80.0	80.0	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6
≥ 1500		76.8	80.7	80.7	82.6	82.6	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	85.2	85.2
≥ 1200		78.1	81.9	82.6	84.5	84.5	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	87.1	87.1
≥ 1000		78.7	83.2	83.9	85.8	85.8	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	88.4	88.4
≥ 900		78.7	83.2	83.9	86.5	86.5	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	89.0	89.0
≥ 800		78.7	83.9	84.5	87.1	87.1	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7	90.3	90.3
≥ 700		78.7	83.9	85.2	87.7	87.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	91.0	91.0
≥ 600		78.7	83.9	85.2	88.4	88.4	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.6	91.6
≥ 500		78.7	84.5	86.5	89.7	89.7	91.6	91.6	91.6	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 400		78.7	84.5	86.5	89.7	89.7	91.6	92.3	92.3	93.6	93.6	93.6	94.8	94.8	96.1	96.1
≥ 300		78.7	84.5	86.5	90.3	90.3	92.9	93.6	93.6	94.8	94.8	94.8	96.8	96.8	98.1	98.1
≥ 200		78.7	84.5	87.1	91.0	91.0	93.6	94.2	94.2	96.1	96.1	96.1	98.1	98.1	99.4	99.4
≥ 100		78.7	84.5	87.1	91.0	91.0	93.6	94.2	94.2	96.1	96.1	96.1	98.1	98.1	99.4	99.4
0		78.7	84.5	87.1	91.0	91.0	93.6	94.2	94.2	96.1	96.1	96.1	98.1	98.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH) | 04 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000		51.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.6
≥ 18000		51.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.6
≥ 16000		51.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.6
≥ 14000		52.3	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	54.2
≥ 12000		52.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.8
≥ 10000		56.8	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7
≥ 9000		58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	60.0
≥ 8000		60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9
≥ 7000		60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9
≥ 6000		61.3	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	63.2
≥ 5000		61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.9
≥ 4500		63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.8
≥ 4000		67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.7
≥ 3500		69.0	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.0
≥ 3000		71.6	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.8
≥ 2500		74.2	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.4
≥ 2000		75.5	76.8	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4
≥ 1800		75.5	76.8	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4
≥ 1500		78.1	79.4	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.9
≥ 1200		79.4	80.7	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.2
≥ 1000		81.3	82.6	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8
≥ 900		81.3	82.6	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8
≥ 800		81.3	82.6	84.5	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.1
≥ 700		81.3	82.6	84.5	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.1
≥ 600		81.3	82.6	85.2	85.8	86.5	87.1	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4	89.0
≥ 500		81.3	83.2	85.8	86.5	87.1	87.7	89.0	89.0	89.0	89.0	89.0	89.7	89.7	89.7	90.3
≥ 400		81.9	83.9	86.5	87.7	88.4	89.0	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.6
≥ 300		81.9	83.9	86.5	87.7	88.4	89.0	90.3	90.3	91.6	92.3	92.9	93.6	93.6	93.6	94.2
≥ 200		81.9	83.9	86.5	88.4	89.0	89.7	91.6	92.3	94.8	95.5	96.1	96.8	96.8	96.8	97.4
≥ 100		81.9	83.9	86.5	88.4	89.0	89.7	91.6	92.3	95.5	96.1	96.8	97.4	97.4	98.1	98.7
≥ 0		81.9	83.9	86.5	88.4	89.0	89.7	91.6	92.3	95.5	96.1	96.8	97.4	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) DEC (MONTH) 07 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		43.2	45.8	46.5	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000		45.2	47.7	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.7
≥ 18000		45.2	47.7	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.7
≥ 16000		45.2	47.7	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.7
≥ 14000		45.2	47.7	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.7
≥ 12000		47.1	49.7	50.3	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.6
≥ 10000		50.3	52.9	53.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.8
≥ 9000		51.0	53.6	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.5
≥ 8000		54.8	57.4	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4
≥ 7000		57.4	60.0	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9
≥ 6000		57.4	60.0	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9
≥ 5000		59.4	61.9	62.6	62.6	62.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.5
≥ 4500		59.4	61.9	63.9	63.9	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.8
≥ 4000		61.9	64.5	66.5	66.5	66.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.4
≥ 3500		63.2	65.8	68.4	68.4	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3
≥ 3000		65.8	69.7	72.3	72.3	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.8
≥ 2500		66.5	70.3	72.9	72.9	72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.5
≥ 2000		69.0	72.9	75.5	75.5	75.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.1
≥ 1800		70.3	74.2	76.8	76.8	76.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4
≥ 1500		71.6	76.1	80.0	80.0	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.6
≥ 1200		71.6	76.1	80.0	80.0	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.6
≥ 1000		72.3	76.8	80.7	80.7	81.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.9
≥ 900		72.3	77.4	81.3	81.3	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5
≥ 800		72.9	78.1	81.9	81.9	82.6	84.5	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	86.5
≥ 700		72.9	78.7	82.6	82.6	83.2	85.2	86.5	87.1	87.1	87.7	87.7	88.4	88.4	88.4	89.0
≥ 600		72.9	78.7	82.6	82.6	83.2	85.8	87.1	87.7	88.4	89.0	89.0	89.7	89.7	89.7	90.3
≥ 500		72.9	79.4	83.2	83.9	85.2	87.7	91.0	91.6	92.3	92.9	92.9	93.6	93.6	94.2	94.8
≥ 400		72.9	79.4	83.2	83.9	85.2	88.4	91.6	92.3	93.6	94.2	94.8	95.5	95.5	96.1	96.8
≥ 300		72.9	79.4	83.2	83.9	85.2	89.0	92.9	93.6	94.8	95.5	96.1	96.8	96.8	98.1	98.7
≥ 200		72.9	79.4	83.2	83.9	85.2	89.0	92.9	93.6	94.8	95.5	96.1	96.8	96.8	98.1	98.7
≥ 100		72.9	79.4	83.2	83.9	85.2	89.0	92.9	93.6	94.8	95.5	96.1	96.8	96.8	98.1	98.7
≥ 0		72.9	79.4	83.2	83.9	85.2	89.0	92.9	93.6	94.8	95.5	96.1	96.8	96.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.9	39.4	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	3.9	41.3	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 18000	3.9	41.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 16000	3.9	41.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 14000	3.9	42.6	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	3.9	44.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 10000	3.9	49.0	51.6	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000	3.9	51.6	54.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	3.9	55.5	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	3.9	58.7	61.3	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	3.9	58.7	61.3	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	3.9	59.4	61.9	62.6	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4500	3.9	60.7	63.2	64.5	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000	3.9	63.9	66.5	67.7	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.7	69.7
≥ 3500	3.9	65.2	68.4	70.3	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3
≥ 3000	3.9	67.7	71.0	72.9	73.6	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.8	74.8
≥ 2500	3.9	68.4	72.3	74.2	74.8	74.8	74.8	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.8	76.8
≥ 2000	3.9	69.0	72.9	75.5	76.1	76.1	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7
≥ 1800	3.9	69.0	72.9	75.5	76.1	76.1	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7
≥ 1500	3.9	69.7	73.6	76.8	77.4	77.4	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	80.0	80.0
≥ 1200	3.9	70.3	74.2	77.4	78.1	78.1	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.3
≥ 1000	3.9	71.6	75.5	79.4	80.0	80.0	81.9	83.2	83.9	84.5	84.5	84.5	84.5	84.5	85.2	85.2
≥ 900	3.9	71.6	75.5	79.4	80.0	80.0	81.9	83.2	83.9	84.5	84.5	84.5	84.5	84.5	85.2	85.2
≥ 800	3.9	71.6	75.5	80.0	80.7	80.7	82.6	84.5	85.2	85.8	85.8	85.8	85.8	85.8	86.5	86.5
≥ 700	3.9	71.6	76.1	80.7	81.3	81.3	83.2	85.8	87.1	88.4	88.4	88.4	88.4	88.4	89.0	89.0
≥ 600	3.9	71.6	76.8	81.3	81.9	82.6	84.5	87.1	89.0	90.3	90.3	90.3	91.0	91.0	91.6	91.6
≥ 500	3.9	71.6	76.8	81.9	82.6	83.2	85.2	87.7	90.3	91.6	91.6	91.6	92.9	92.9	93.6	93.6
≥ 400	3.9	71.6	76.8	81.9	83.2	84.5	86.5	89.0	92.3	93.6	93.6	93.6	94.8	94.8	95.5	95.5
≥ 300	3.9	71.6	76.8	81.9	83.2	84.5	86.5	89.0	92.9	94.2	94.2	94.2	95.5	95.5	97.4	97.4
≥ 200	3.9	71.6	76.8	81.9	83.2	84.5	86.5	89.0	92.9	94.8	95.5	95.5	96.8	96.8	98.7	98.7
≥ 100	3.9	71.6	76.8	81.9	83.2	84.5	86.5	89.0	92.9	94.8	95.5	95.5	97.4	97.4	99.4	99.4
0	3.9	71.6	76.8	81.9	83.2	84.5	86.5	89.0	92.9	94.8	95.5	95.5	97.4	97.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

13 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.2	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000	5.2	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000	5.2	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	5.2	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	5.2	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	5.2	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000	5.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 9000	5.2	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	5.2	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	5.2	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	5.2	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	5.2	61.9	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	5.2	63.2	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	5.2	67.7	69.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	5.2	68.4	69.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	5.2	71.6	72.9	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2500	5.2	74.8	76.1	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	5.2	74.8	76.1	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	5.2	74.8	76.1	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	5.2	75.5	77.4	80.0	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	5.2	75.5	77.4	80.0	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1000	5.2	77.4	79.4	82.6	83.9	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	5.2	77.4	79.4	83.2	84.5	86.5	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	5.2	77.4	79.4	83.2	85.2	87.1	87.7	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 700	5.2	77.4	79.4	83.2	85.8	88.4	89.0	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	5.2	77.4	79.4	83.9	87.1	89.7	90.3	91.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	5.2	77.4	79.4	83.9	87.1	89.7	90.3	91.0	91.6	93.6	93.6	93.6	94.8	94.8	95.5	95.5
≥ 400	5.2	77.4	79.4	84.5	87.7	91.0	91.6	92.3	92.9	96.1	96.8	96.8	98.1	98.1	98.7	98.7
≥ 300	5.2	77.4	79.4	84.5	87.7	91.0	91.6	92.3	92.9	96.1	96.8	96.8	98.1	98.1	98.7	98.7
≥ 200	5.2	77.4	79.4	84.5	87.7	91.0	91.6	92.3	92.9	96.1	97.4	97.4	98.7	98.7	99.4	99.4
≥ 100	5.2	77.4	79.4	84.5	87.7	91.0	91.6	92.3	92.9	96.1	97.4	97.4	98.7	98.7	100.0	100.0
0	5.2	77.4	79.4	84.5	87.7	91.0	91.6	92.3	92.9	96.1	97.4	97.4	98.7	98.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) DEC (MONTH) 16 (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	3.9	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	3.9	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	3.9	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	3.9	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000	3.9	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 10000	4.5	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 9000	4.5	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	4.5	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 7000	4.5	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000	4.5	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000	4.5	61.9	62.6	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500	5.2	62.6	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4000	5.2	65.8	67.1	67.1	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500	5.2	67.7	69.7	69.7	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	5.2	71.0	73.6	73.6	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	5.2	74.2	76.8	76.8	77.4	77.4	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	5.2	74.2	77.4	78.1	78.7	78.7	79.4	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	5.2	74.2	77.4	78.1	78.7	78.7	79.4	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	5.2	76.8	80.0	80.7	81.3	81.3	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	5.2	76.8	80.0	81.3	81.9	81.9	83.2	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	5.2	77.4	80.7	81.9	82.6	82.6	83.9	84.5	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	5.2	77.4	80.7	82.6	83.2	83.2	84.5	85.2	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	5.2	77.4	80.7	82.6	83.2	83.2	84.5	85.8	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	5.2	78.1	81.9	83.9	85.2	85.2	87.1	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	5.2	78.1	81.9	83.9	85.8	85.8	87.7	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	5.2	78.7	82.6	84.5	86.5	86.5	88.4	89.7	89.7	91.6	92.3	92.3	92.9	92.9	93.6	93.6
≥ 400	5.2	78.7	82.6	84.5	86.5	86.5	89.0	90.3	91.0	93.6	94.2	94.2	94.8	94.8	96.1	96.1
≥ 300	5.2	78.7	82.6	84.5	86.5	86.5	89.0	91.0	91.6	94.2	94.8	94.8	95.5	95.5	96.8	96.8
≥ 200	5.2	78.7	82.6	84.5	86.5	86.5	89.0	91.0	91.6	94.2	95.5	96.1	96.8	96.8	98.7	98.7
≥ 100	5.2	78.7	82.6	84.5	86.5	86.5	89.0	91.0	91.6	94.2	95.5	96.1	96.8	96.8	98.7	99.4
0	5.2	78.7	82.6	84.5	86.5	86.5	89.0	91.0	91.6	94.2	95.5	96.1	96.8	96.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19 HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000	.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	.7	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	.7	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000	.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	.7	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	.7	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000	.7	69.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	.7	72.9	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	.7	74.8	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	.7	76.1	76.8	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	.7	77.4	78.1	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	.7	77.4	78.1	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	.7	78.7	79.4	81.9	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	.7	79.4	80.0	83.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.5
≥ 1000	.7	79.4	80.0	83.9	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.7
≥ 900	.7	79.4	80.0	83.9	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.7
≥ 800	.7	80.7	81.9	85.8	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.7
≥ 700	.7	80.7	82.6	87.1	89.0	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6
≥ 600	.7	80.7	82.6	87.1	89.0	89.7	91.0	91.0	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.9
≥ 500	.7	80.7	82.6	87.1	89.7	91.0	92.3	92.3	92.3	93.6	93.6	93.6	93.6	93.6	94.2	94.8
≥ 400	.7	80.7	82.6	87.1	89.7	91.6	92.9	92.9	92.9	94.2	94.2	94.2	94.2	94.2	94.8	95.5
≥ 300	.7	80.7	82.6	87.1	90.3	92.3	93.6	93.6	93.6	94.8	95.5	95.5	95.5	95.5	96.1	96.8
≥ 200	.7	80.7	82.6	87.1	90.3	92.3	93.6	93.6	93.6	94.8	96.8	96.8	96.8	96.8	97.4	98.1
≥ 100	.7	80.7	82.6	87.1	90.3	92.3	93.6	93.6	93.6	94.8	96.8	96.8	96.8	96.8	97.4	98.1
≥ 0	.7	80.7	82.6	87.1	90.3	92.3	93.6	93.6	93.6	94.8	96.8	96.8	96.8	96.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000		54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000		54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000		54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000		54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000		55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000		58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000		58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000		62.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000		63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000		63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000		66.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500		69.0	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000		70.3	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500		71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000		74.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500		76.1	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000		78.7	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800		78.7	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500		80.0	81.9	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200		80.0	81.9	85.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000		80.0	82.6	85.8	86.5	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900		80.0	83.2	86.5	87.1	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800		80.0	83.2	87.1	87.7	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700		80.0	83.9	87.7	89.0	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 600		80.0	83.9	87.7	89.7	91.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500		80.0	83.9	87.7	89.7	91.0	92.9	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400		80.0	83.9	87.7	89.7	91.0	92.9	93.6	93.6	93.6	94.8	94.8	95.5	95.5	95.5	95.5
≥ 300		80.0	83.9	87.7	90.3	91.6	93.6	94.2	94.2	94.2	95.5	95.5	96.1	96.1	96.1	96.1
≥ 200		80.0	83.9	88.4	91.6	92.9	94.8	96.1	96.1	96.8	98.1	98.1	98.7	98.7	98.7	98.7
≥ 100		80.0	83.9	88.4	91.6	92.9	94.8	96.1	96.1	96.8	98.1	98.1	99.4	99.4	100.0	100.0
0		80.0	83.9	88.4	91.6	92.9	94.8	96.1	96.1	96.8	98.1	98.1	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 — STATION

SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME

73-77 — YEARS

DEC — MONTH

ALL — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	46.3	47.2	47.4	47.5	47.5	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	1.7	49.0	50.0	50.2	50.3	50.3	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.7	50.8
≥ 18000	1.7	49.0	50.1	50.3	50.4	50.4	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.9
≥ 16000	1.7	49.0	50.1	50.3	50.4	50.4	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.9
≥ 14000	1.7	49.4	50.5	50.7	50.8	50.8	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.3
≥ 12000	1.7	50.6	51.6	51.9	51.9	51.9	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.3	52.4
≥ 10000	1.8	54.5	55.7	56.0	56.1	56.1	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.5	56.6
≥ 9000	1.8	55.2	56.5	56.7	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.2	57.3
≥ 8000	1.8	58.4	59.6	59.9	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.6
≥ 7000	1.8	60.1	61.4	61.7	61.9	61.9	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.2	62.3
≥ 6000	1.8	60.3	61.7	62.0	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.5	62.7
≥ 5000	1.8	61.9	63.4	63.9	64.0	64.0	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.8
≥ 4500	1.9	63.5	65.0	65.8	66.0	66.0	66.2	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.7
≥ 4000	1.9	66.4	68.1	69.0	69.4	69.4	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.0	70.2
≥ 3500	1.9	67.8	69.7	70.8	71.1	71.1	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.8	71.9
≥ 3000	1.9	70.8	73.1	74.4	74.8	74.8	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.6	75.7
≥ 2500	1.9	72.7	75.1	76.6	77.1	77.2	77.6	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.2	78.3
≥ 2000	1.9	74.0	76.5	78.2	78.7	78.8	79.3	79.6	79.7	79.8	79.8	79.8	79.8	79.8	80.0	80.2
≥ 1800	1.9	74.4	76.8	78.5	79.0	79.1	79.6	79.9	80.0	80.2	80.2	80.2	80.2	80.2	80.3	80.5
≥ 1500	1.9	75.9	78.6	80.7	81.4	81.6	82.3	82.6	82.7	82.8	82.8	82.8	82.8	82.8	83.0	83.2
≥ 1200	1.9	76.4	79.0	81.5	82.3	82.6	83.3	83.6	83.7	83.9	83.9	83.9	83.9	83.9	84.0	84.3
≥ 1000	1.9	77.3	80.1	82.7	83.7	84.1	85.1	85.6	85.7	86.1	86.1	86.1	86.1	86.1	86.2	86.5
≥ 900	1.9	77.3	80.2	83.1	84.1	84.6	85.7	86.1	86.3	86.6	86.6	86.6	86.6	86.6	86.8	87.0
≥ 800	1.9	77.5	80.7	83.7	84.8	85.3	86.6	87.3	87.5	87.9	87.9	87.9	88.0	88.0	88.2	88.4
≥ 700	1.9	77.6	81.1	84.4	85.7	86.4	87.8	88.7	89.0	89.5	89.6	89.6	89.7	89.7	89.8	90.1
≥ 600	1.9	77.6	81.2	84.6	86.3	87.1	88.7	89.6	90.0	90.7	90.8	90.8	91.1	91.1	91.2	91.5
≥ 500	1.9	77.7	81.5	85.1	86.9	87.9	89.5	90.7	91.2	92.3	92.5	92.5	93.1	93.1	93.6	93.8
≥ 400	1.9	77.7	81.6	85.2	87.3	88.5	90.2	91.5	92.2	93.6	94.0	94.0	94.8	94.8	95.5	95.7
≥ 300	1.9	77.7	81.6	85.2	87.5	88.7	90.7	92.1	92.8	94.4	94.9	95.1	96.0	96.0	96.9	97.1
≥ 200	1.9	77.7	81.6	85.4	87.8	89.0	91.0	92.6	93.4	95.3	96.3	96.5	97.4	97.4	98.4	98.6
≥ 100	1.9	77.7	81.6	85.4	87.8	89.0	91.0	92.6	93.4	95.4	96.4	96.6	97.7	97.7	98.9	99.2
0	1.9	77.7	81.6	85.4	87.8	89.0	91.0	92.6	93.4	95.4	96.4	96.6	97.7	97.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHERISERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | 73-77 (YEARS) | ALL (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	2.0	45.0	47.0	48.5	49.2	49.3	49.6	49.8	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.2
≥ 20000	2.2	49.1	51.5	53.2	54.0	54.2	54.6	54.7	54.8	55.0	55.0	55.0	55.1	55.1	55.2	55.2
≥ 18000	2.2	49.2	51.6	53.2	54.1	54.3	54.7	54.8	54.9	55.0	55.1	55.1	55.2	55.2	55.2	55.3
≥ 16000	2.2	49.2	51.6	53.2	54.1	54.3	54.7	54.8	54.9	55.0	55.1	55.1	55.2	55.2	55.2	55.3
≥ 14000	2.2	49.5	51.9	53.6	54.4	54.6	55.0	55.2	55.2	55.4	55.4	55.4	55.5	55.5	55.6	55.6
≥ 12000	2.2	50.6	53.1	54.8	55.7	55.9	56.3	56.4	56.5	56.6	56.7	56.7	56.8	56.8	56.8	56.9
≥ 10000	2.3	54.2	57.0	58.9	59.9	60.1	60.5	60.6	60.7	60.9	61.0	61.0	61.0	61.0	61.1	61.2
≥ 9000	2.3	54.7	57.5	59.4	60.3	60.6	61.0	61.1	61.2	61.3	61.4	61.4	61.5	61.5	61.6	61.6
≥ 8000	2.4	57.5	60.6	62.6	63.7	63.9	64.4	64.5	64.6	64.8	64.8	64.8	64.9	64.9	65.0	65.1
≥ 7000	2.4	58.5	61.6	63.7	64.8	65.1	65.5	65.7	65.7	65.9	66.0	66.0	66.1	66.1	66.2	66.2
≥ 6000	2.4	59.2	62.5	64.7	65.8	66.1	66.5	66.7	66.8	67.0	67.1	67.1	67.1	67.1	67.2	67.3
≥ 5000	2.4	60.8	64.2	66.5	67.7	67.9	68.4	68.6	68.7	68.9	69.0	69.0	69.1	69.1	69.1	69.2
≥ 4500	2.4	61.8	65.3	67.6	68.8	69.0	69.6	69.7	69.8	70.0	70.1	70.1	70.2	70.2	70.2	70.3
≥ 4000	2.5	64.0	67.6	70.1	71.4	71.6	72.2	72.4	72.5	72.6	72.8	72.8	72.8	72.8	72.9	73.0
≥ 3500	2.5	65.4	69.2	71.7	73.0	73.3	73.9	74.1	74.2	74.4	74.5	74.5	74.6	74.6	74.6	74.7
≥ 3000	2.6	67.6	71.7	74.3	75.8	76.2	76.9	77.1	77.2	77.4	77.5	77.5	77.6	77.6	77.7	77.7
≥ 2500	2.6	68.7	73.0	75.8	77.3	77.7	78.5	78.7	78.8	79.0	79.1	79.1	79.2	79.2	79.3	79.4
≥ 2000	2.6	70.0	74.5	77.4	79.1	79.5	80.3	80.5	80.6	80.9	81.0	81.0	81.1	81.1	81.1	81.2
≥ 1800	2.6	70.2	74.6	77.6	79.3	79.7	80.5	80.7	80.9	81.1	81.2	81.2	81.3	81.3	81.4	81.4
≥ 1500	2.6	71.3	76.1	79.4	81.2	81.7	82.6	82.9	83.0	83.3	83.4	83.4	83.5	83.5	83.6	83.7
≥ 1200	2.6	71.6	76.5	79.9	81.9	82.4	83.3	83.7	83.8	84.1	84.2	84.2	84.3	84.3	84.4	84.5
≥ 1000	2.6	72.2	77.4	81.0	83.2	83.8	84.9	85.4	85.6	86.0	86.1	86.1	86.3	86.3	86.3	86.4
≥ 900	2.6	72.3	77.5	81.2	83.5	84.1	85.3	85.8	86.0	86.4	86.6	86.6	86.7	86.7	86.8	86.8
≥ 800	2.6	72.6	78.1	82.1	84.6	85.3	86.7	87.4	87.7	88.1	88.4	88.4	88.5	88.5	88.6	88.7
≥ 700	2.6	72.9	78.4	82.7	85.4	86.1	87.6	88.4	88.8	89.3	89.6	89.6	89.8	89.8	89.8	89.9
≥ 600	2.6	73.1	78.8	83.2	86.1	87.0	88.7	89.7	90.1	90.6	91.0	91.0	91.2	91.2	91.3	91.4
≥ 500	2.6	73.2	79.1	83.8	87.1	88.0	90.1	91.3	91.8	92.6	93.0	93.0	93.4	93.4	93.5	93.6
≥ 400	2.6	73.3	79.3	84.1	87.6	88.6	91.0	92.5	93.1	94.1	94.7	94.7	95.2	95.2	95.3	95.4
≥ 300	2.6	73.4	79.4	84.2	87.8	88.9	91.5	93.2	93.9	95.1	95.9	96.0	96.6	96.6	96.8	96.9
≥ 200	2.6	73.4	79.4	84.3	88.0	89.1	91.8	93.6	94.3	95.7	96.6	96.8	97.7	97.8	98.1	98.3
≥ 100	2.6	73.4	79.4	84.3	88.0	89.1	91.8	93.6	94.3	95.8	96.8	96.9	98.0	98.2	98.9	99.5
≥ 0	2.6	73.4	79.4	84.3	88.0	89.1	91.8	93.6	94.3	95.8	96.8	96.9	98.1	98.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 14608

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

SKY COVER

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	01	30.3	1.9	1.3	3.2	1.3	.6	3.9	2.6	4.5	1.9	48.4	6.0	155
	04	31.6	2.6	3.2	2.6	3.2	1.9	1.9	3.9	3.9	1.9	43.2	5.6	155
	07	18.1	10.3	7.1	3.9	3.9	1.9	3.2	6.5	4.5	3.2	37.4	5.7	155
	10	19.4	3.9	7.1	2.6	6.5	3.2	5.2	5.2	5.8	5.8	35.5	5.9	155
	13	14.2	3.9	5.8	9.7	6.5	1.9	2.6	3.2	9.0	3.9	39.4	6.2	155
	16	16.1	7.7	4.5	5.8	4.5	.6	6.5	3.9	5.2	5.2	40.0	6.1	155
	19	30.3	1.9	5.2	9.0	1.9	1.9	3.2	1.9	4.5	.6	39.4	5.3	155
	22	31.0	1.9	1.9	3.2	1.9	1.3	3.2	5.8	1.9	7.1	40.6	5.8	155
TOTALS		23.9	4.3	4.5	5.0	3.7	1.7	3.7	4.1	4.9	3.7	40.5	5.8	1240

5704 SKY COVER JAN 68

2

SKY COVER

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	01	30.5	2.1	3.5	2.1	5.7	2.1	1.4	5.0	7.8	.7	39.0	5.5	141
	04	29.8	2.1	5.0	5.0	2.8	.7	1.4	5.0	5.7	2.1	40.4	5.5	141
	07	17.7	6.4	3.5	7.8	2.8	2.1	1.4	2.1	6.4	5.7	44.0	6.2	141
	10	18.4	5.0	4.3	4.3	2.8	4.3	2.1	1.4	5.7	7.8	44.0	6.4	141
	13	15.6	6.4	5.7	2.8	3.5	4.3	2.8	5.0	6.4	2.1	45.4	6.4	141
	16	20.6	3.5	5.0	4.3	5.7	2.1		2.8	9.9	5.0	41.1	6.1	141
	19	27.0	2.8	8.5	4.3	4.3	2.8	2.8	1.4	5.7	2.1	38.3	5.4	141
	22	29.1	2.8	6.4	3.5	2.1	.7	2.8	2.1	3.5	3.5	43.3	5.6	141
TOTALS		23.6	3.9	5.2	4.3	3.7	2.4	1.8	3.1	6.4	3.6	41.9	5.9	1128

5704 SKY COVER JAN 68

SKY COVER

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	01	33.5	2.6	1.9	4.5	2.6	.6	1.9	2.6	1.9	2.6	45.2	5.5	155
	04	29.0	1.3	3.9	5.8	2.6	.6	2.6	2.6	5.2	2.6	43.9	5.8	155
	07	14.8	5.2	5.2	1.9	3.9	2.6	1.3	4.5	3.2	7.1	50.3	6.8	155
	10	16.1	2.6	4.5	4.5	1.9	3.2	3.9	4.5	5.8	4.5	48.4	6.7	155
	13	10.3	4.5	4.5	2.6	5.2	3.9	2.6	5.2	8.4	3.9	49.0	7.1	155
	16	11.6	3.2	4.5	3.9	1.9	1.9	5.8	3.2	9.0	7.1	47.7	7.1	155
	19	18.7	6.5	1.9	7.1	3.9	1.3	1.3	4.5	6.5	2.6	45.8	6.3	155
	22	30.3	3.2	3.2	5.2	3.2	1.9	1.9	5.8	1.3	1.9	41.9	5.5	155
TOTALS		20.5	3.6	3.7	4.4	3.2	2.0	2.7	4.1	5.2	4.0	46.5	6.4	1240

5704 SKY COVER JAN 68

2

SKY COVER

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14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	01	35.3	1.3	2.7	2.7	2.7	2.0	2.7	6.0	2.7	2.7	39.3	5.3	150
	04	36.7	1.3	1.3	4.0	2.7	3.3	3.3	3.3	6.7	1.3	38.0	5.3	150
	07	25.3	2.0	4.7	3.3	2.7	1.3	4.0	4.0	4.7	6.7	41.3	6.0	150
	10	17.3	6.0	5.3	4.7	5.3	.7	2.7	3.3	9.3	4.7	40.7	6.2	150
	13	11.3	7.3	2.7	3.3	6.7	3.3	4.7	5.3	9.3	8.7	37.3	6.6	150
	16	9.3	2.0	4.7	6.0	7.3	4.0	4.7	6.0	11.3	10.0	34.7	6.8	150
	19	13.3	2.7	5.3	12.0	6.7	1.3	2.0	4.0	10.0	3.3	39.3	6.3	150
	22	22.0	5.3	4.7	8.7	2.7	3.3	4.7	6.0	8.0	1.3	33.3	5.5	150
TOTALS		21.1	3.5	3.9	5.6	4.6	2.4	3.6	4.7	7.8	4.8	38.0	6.0	1200

NAVWEASERVCOM

5704 SKY COVER JAN 68

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SKY COVER

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	01	28.4	.6	3.2	4.5	5.8	1.3	.6	5.2	6.5	1.9	41.9	5.8	155
	04	16.8	4.5	1.9	5.2	3.2	3.9	3.9	7.1	6.5	4.5	42.6	6.5	155
	07	16.8	3.2	3.9	1.9	2.6	3.9	1.9	7.1	8.4	3.9	46.5	6.7	155
	10	11.0	5.8	5.8	3.9	5.2	5.2	3.9	5.8	7.1	6.5	40.0	6.5	155
	13	5.8	5.8	3.9	4.5	4.5	5.8	6.5	3.2	14.8	8.4	36.8	7.0	155
	16	7.7	3.2	9.0	8.4	5.2	4.5	2.6	7.1	10.3	8.4	33.5	6.5	155
	19	12.9	2.6	3.9	5.8	2.6	4.5	3.2	4.5	11.6	11.0	37.4	6.8	155
	22	23.2	1.9	3.2	4.5	4.5	1.9	3.9	3.2	7.1	6.5	40.0	6.1	155
TOTALS		15.3	3.5	4.4	4.8	4.2	3.9	3.3	5.4	9.0	6.4	39.8	6.5	1240

NAVWEASERVCOM

5704 SKY COVER JAN 68

2

SKY COVER

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	01	18.0	1.3	6.0	6.0	8.0	4.0	.7	4.7	4.0	4.0	43.3	6.2	150
	04	13.3	3.3	4.0	5.3	6.0	6.0	2.7	6.0	4.0	4.0	45.3	6.6	150
	07	11.3	5.3	4.0	3.3	5.3	.7	2.0	5.3	9.3	6.0	47.3	7.0	150
	10	8.0	3.3	4.0	2.0	4.0	2.7	2.7	10.0	16.0	6.7	40.7	7.3	150
	13	1.3	3.3	4.0	3.3	4.7	7.3	5.3	10.7	12.7	14.0	33.3	7.4	150
	16	1.3	3.3	5.3	4.7	6.7	8.0	3.3	6.7	16.7	8.7	35.3	7.3	150
	19	6.7	2.7	4.7	5.3	4.7	5.3	2.0	8.0	12.7	10.7	37.3	7.1	150
	22	21.3	.7	6.7	1.3	4.7	3.3	3.3	8.7	4.7	2.7	42.7	6.2	150
TOTALS		10.2	2.9	4.8	3.9	5.5	4.7	2.8	7.5	10.0	7.1	40.7	6.9	1200

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5704 SKY COVER JAN 68

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SKY COVER

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	01	24.5	1.3	5.2	6.5	5.2	3.2	2.6	5.2	7.1	2.6	36.8	5.7	155
	04	11.0	9.0	7.7	6.5	5.2	1.9	5.8	3.2	7.7	3.9	38.1	6.1	155
	07	13.5	7.1	3.2	6.5	3.9	6.5	1.3	7.7	7.1	8.4	34.8	6.2	155
	10	9.0	5.2	5.2	6.5	9.7	3.9	2.6	7.1	12.9	6.5	31.6	6.4	155
	13	2.6	2.6	3.2	3.9	9.0	5.2	10.3	9.7	18.7	6.5	28.4	7.0	155
	16	2.6	3.2	2.6	6.5	6.5	9.7	7.1	11.6	14.2	9.7	26.5	6.9	155
	19	7.1	5.8	5.8	4.5	3.9	8.4	6.5	6.5	14.8	7.1	29.7	6.5	155
	22	21.3	3.9	5.8	8.4	7.1	3.2	1.9	6.5	6.5	4.5	31.0	5.4	155
TOTALS		11.5	4.8	4.8	6.2	6.3	5.3	4.8	7.2	11.1	6.2	32.1	6.3	1240

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5704 SKY COVER JAN 68

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SKY COVER

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	01	29.0		6.5	4.5	3.9	4.5	4.5	5.2	5.8	1.9	34.2	5.3	155
	04	22.6	3.9	6.5	5.8	7.1	3.2	1.9	6.5	7.7	3.2	31.6	5.4	155
	07	13.5	4.5	5.8	5.8	3.9	4.5	6.5	5.2	11.0	7.7	31.6	6.2	155
	10	13.5	6.5	5.2	3.9	9.0	3.2	1.3	10.3	11.0	5.2	31.0	6.0	155
	13	6.5	4.5	2.6	5.2	12.9	7.7	3.9	2.6	14.2	11.0	29.0	6.6	155
	16	5.8	3.2	5.2	8.4	5.2	3.9	6.5	8.4	8.4	9.0	36.1	6.9	155
	19	6.5	1.9	6.5	6.5	11.6	5.8	4.5	7.1	8.4	3.9	37.4	6.6	155
	22	22.6	1.3	6.5	8.4	8.4	1.9	5.2	6.5	6.5	2.6	30.3	5.4	155
TOTALS		15.0	3.2	5.6	6.1	7.8	4.3	4.3	6.5	9.1	5.6	32.7	6.1	1240

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5704 SKY COVER JAN 68

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SKY COVER

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	01	30.0	2.0	3.3	4.0	2.0	2.7	2.0	2.7	7.3	6.7	37.3	5.6	150
	04	29.3	2.0	4.0	7.3	2.7	4.7	3.3	2.0	4.7	6.7	33.3	5.3	150
	07	16.7	5.3	5.3	6.0	2.0	3.3	2.0	8.7	4.7	8.7	37.3	6.2	150
	10	8.7	9.3	6.0	6.7	4.0	2.0	5.3	8.7	9.3	7.3	32.7	6.3	150
	13	3.3	4.7	4.7	5.3	6.0	8.7	6.7	11.3	9.3	6.0	34.0	6.9	150
	16	4.0	4.0	8.0	8.7	12.0	4.0	3.3	6.0	8.7	8.0	33.3	6.5	150
	19	11.3	8.0	4.7	6.7	5.3	4.0	6.0	7.3	10.0	5.3	31.3	6.1	150
	22	24.0	6.0	2.0	5.3	6.0	3.3	2.0	3.3	8.0	2.7	37.3	5.6	150
TOTALS		15.9	5.2	4.8	6.3	5.0	4.1	3.8	6.3	7.8	6.4	34.6	6.1	1200

5704 SKY COVER JAN 68

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SKY COVER

14790 SOUTH WEYMOUTH, MASSACHUSETTS 73-77 OCT

STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	01	39.4	2.6	2.6	1.9	3.2	5.2	1.9	2.6	5.8	3.2	31.6	4.7	155
	04	41.9	2.6	1.9	2.6	4.5	2.6	2.6	2.6	2.6	3.2	32.9	4.6	155
	07	17.4	6.5	7.1	6.5	2.6	5.2	1.9	6.5	7.1	6.5	32.9	5.8	155
	10	15.5	7.7	5.8	6.5	7.7	2.6	3.2	5.2	6.5	3.9	35.5	5.8	155
	13	9.7	7.7	4.5	8.4	5.2	1.3	3.9	9.7	10.3	5.8	33.5	6.3	155
	16	15.5	6.5	4.5	7.7	4.5	3.9	3.2	7.1	5.2	6.5	35.5	6.0	155
	19	32.9	1.9	1.3	6.5	2.6	4.5	2.6	2.6	5.2	5.8	34.2	5.3	155
	22	31.6	3.2	4.5	3.2	3.9	1.3	2.6	5.2	5.8	3.2	35.5	5.3	155
TOTALS		25.5	4.8	4.0	5.4	4.3	3.3	2.7	5.2	6.1	4.8	34.0	5.5	1240

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5704 SKY COVER JAN 68

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SKY COVER

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	01	30.0	4.0	2.7	4.7	2.0	2.7	4.0	2.7	5.3	2.7	39.3	5.5	150
	04	30.7	1.3	2.0	2.0	10.0	2.0	5.3	2.0	2.7	6.0	36.0	5.4	150
	07	12.7	10.7	8.7	6.0	2.0	1.3	3.3	6.0	10.0	7.3	32.0	5.9	150
	10	14.7	6.0	7.3	6.7	2.0	4.0	4.7	2.7	6.0	6.7	39.3	6.2	150
	13	9.3	10.0	3.3	7.3	2.7	9.3	2.7	5.3	6.7	8.7	34.7	6.3	150
	16	10.7	7.3	4.7	4.0	5.3	2.0	2.0	12.7	10.7	4.7	36.0	6.5	150
	19	20.7	5.3	6.0	7.3	4.7	.7	5.3	4.7	8.7	2.0	34.7	5.6	150
	22	24.0	4.0	2.7	5.3	4.0	4.0	2.0	7.3	4.0	4.7	38.0	5.8	150
TOTALS		19.1	6.1	4.7	5.4	4.1	3.3	3.7	5.4	6.8	5.4	36.3	5.9	1200

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5704 SKY COVER JAN 68

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SKY COVER

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	01	29.0	1.9	2.6	3.2	5.2	.6	3.2	6.5	5.2	3.9	38.7	5.7	155
	04	36.2	2.6	1.9	3.9	1.3	1.9	.6	5.2	3.2	1.9	43.2	5.5	155
	07	13.5	9.0	7.1	7.7	4.5	1.3	.6	3.9	5.2	2.6	44.5	6.1	155
	10	13.5	7.7	5.2	5.8	1.3	1.3	3.2	4.5	4.5	8.4	44.5	6.5	155
	13	9.7	9.7	4.5	6.5	3.9	1.9	3.2	5.2	7.1	6.5	41.9	6.5	155
	16	12.3	7.7	3.2	10.3	1.9	2.6	4.5	3.9	5.2	8.4	40.0	6.4	155
	19	29.7	3.2	1.3	5.2	3.9	1.9	1.3	3.2	3.2	3.9	43.2	5.7	155
	22	25.2	1.3	5.8	9.0	4.5	1.3	1.3	1.9	5.8	1.9	41.9	5.7	155
TOTALS		20.9	5.4	4.0	6.5	3.3	1.6	2.2	4.3	4.9	4.7	42.2	6.0	1240

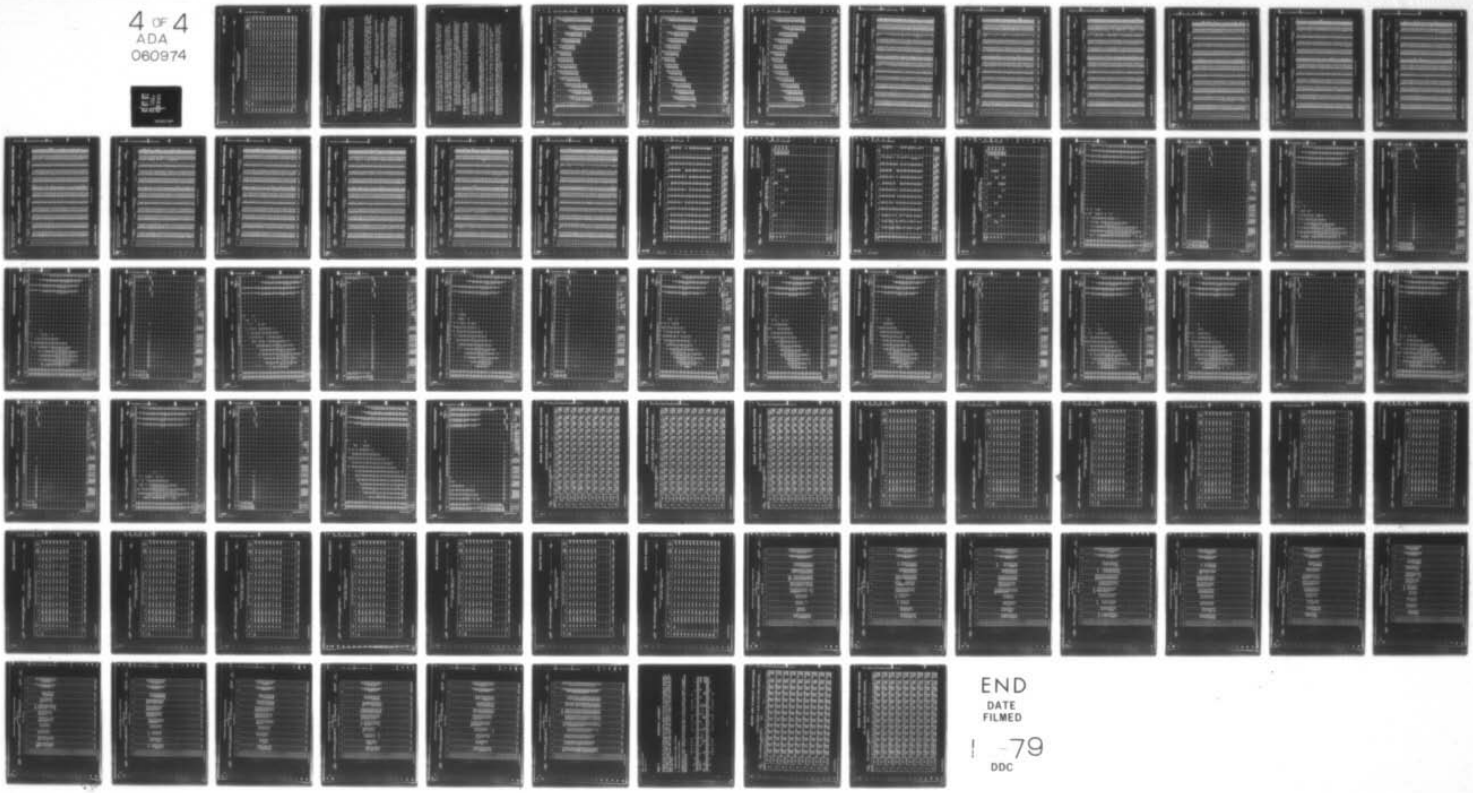
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5704 SKY COVER JAN 68

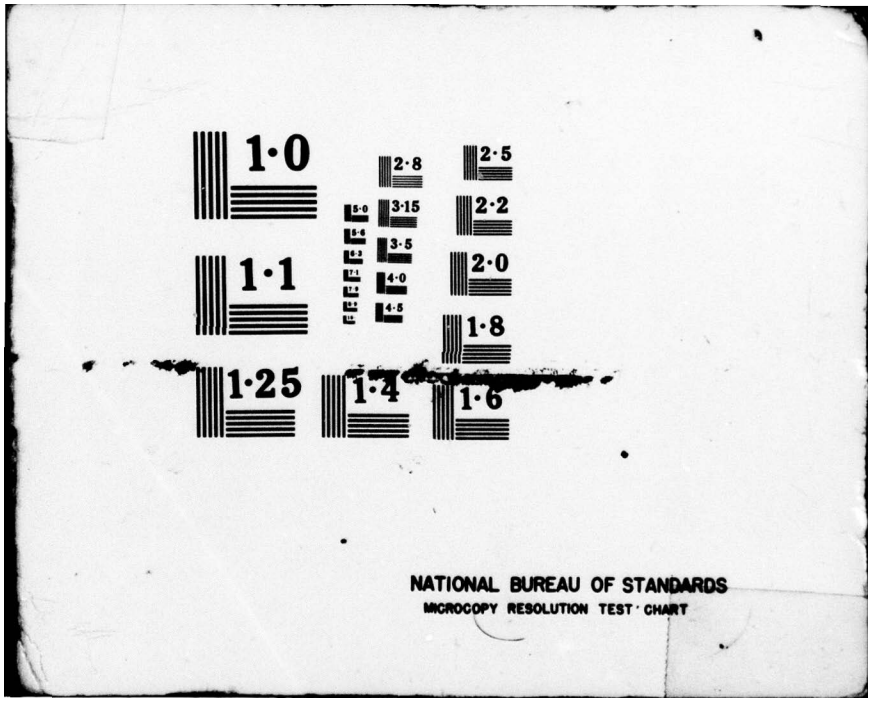
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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) SOUTH WE--ETC(U)
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MICROCOPY RESOLUTION TEST CHART

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SKY COVER

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	23.9	4.3	4.5	5.0	3.7	1.7	3.7	4.1	4.9	3.7	40.5	5.8	1240
FEB		23.6	3.9	5.2	4.3	3.7	2.4	1.8	3.1	6.4	3.6	41.9	5.9	1128
MAR		20.5	3.6	3.7	4.4	3.2	2.0	2.7	4.1	5.2	4.0	46.5	6.4	1240
APR		21.1	3.5	3.9	5.6	4.6	2.4	3.6	4.7	7.8	4.8	38.0	6.0	1200
MAY		15.3	3.5	4.4	4.8	4.2	3.9	3.3	5.4	9.0	6.4	39.8	6.5	1240
JUN		10.2	2.9	4.8	3.9	5.5	4.7	2.8	7.5	10.0	7.1	40.7	6.9	1200
JUL		11.5	4.8	4.8	6.2	6.3	5.3	4.8	7.2	11.1	6.2	32.1	6.3	1240
AUG		15.0	3.2	5.6	6.1	7.8	4.3	4.3	6.5	9.1	5.6	32.7	6.1	1240
SEP		15.9	5.2	4.8	6.3	5.0	4.1	3.8	6.3	7.8	6.4	34.6	6.1	1200
OCT		25.5	4.8	4.0	5.4	4.3	3.3	2.7	5.2	6.1	4.8	34.0	5.5	1240
NOV		19.1	6.1	4.7	5.4	4.1	3.3	3.7	5.4	6.8	5.4	36.3	5.9	1200
DEC		20.9	5.4	4.0	6.5	3.3	1.6	2.2	4.3	4.9	4.7	42.2	6.0	1240
TOTALS		18.5	4.3	4.5	5.3	4.6	3.3	3.2	5.3	7.4	5.2	38.3	6.1	14608

5704 SKY COVER JAN 68

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

   a. Daily maximum temperature
   b. Daily minimum temperature
   c. Daily mean temperature

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

   NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\overline{X}$), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

a. Dry-bulb temperature
b. Wet-bulb temperature
c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

16790 SOUTH WEYMOUTH, MASSACHUSETTS 54-77

STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
N 100								.3					.0
N 95					.3	.4	2.6	.5					.3
N 90				.3	1.2	6.2	10.7	7.9	1.9				2.4
N 85				1.1	5.2	19.6	32.9	29.6	7.0	1.1			8.1
N 80				3.2	13.4	41.8	65.6	57.1	19.9	3.8			17.2
N 75			.4	6.9	25.6	62.1	87.3	78.2	40.6	12.3	.6		26.4
N 70			1.3	12.6	42.3	77.5	96.3	92.3	61.3	24.7	2.4		34.6
N 65		.2	3.4	23.5	63.4	89.3	99.7	99.1	80.9	42.8	6.7	.3	42.9
N 60	.6	.8	7.0	37.6	79.8	95.8	99.9	100.0	93.5	62.5	17.4	2.7	50.3
N 55	3.2	3.5	15.6	52.9	90.5	99.4	100.0		99.0	80.5	33.6	7.8	57.7
N 50	7.0	8.6	25.6	72.2	97.0	99.9			100.0	93.3	54.2	15.5	65.0
N 45	15.6	20.6	46.0	89.3	99.5	100.0				98.0	74.3	27.0	73.0
N 40	31.1	36.2	69.2	98.3	100.0					99.9	89.4	45.7	81.2
N 35	52.2	58.5	88.5	100.0						100.0	97.6	65.7	88.9
N 30	71.1	79.7	97.1								99.9	82.8	94.4
N 25	84.2	90.6	99.6									92.5	97.3
N 20	94.0	95.8	99.7								100.0	98.0	99.0
N 15	98.5	99.1	100.0									99.5	99.8
N 10	99.6	99.8										99.6	99.9
N 5	99.9	100.0										100.0	100.0
N 0	100.0												100.0
MEAN	34.9	36.6	44.6	57.0	67.9	76.6	81.8	80.2	72.2	62.9	50.9	38.8	58.7
S. D.	9.885	9.480	9.385	10.644	9.925	8.944	6.397	6.935	8.276	9.323	8.989	10.193	18.897
TOTAL OBS.	713	650	730	720	737	720	723	743	719	734	720	744	8653

NAVWEASERVCOM

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NAVAIR 50-1C-521 Daily Temperatures Jan 1969

DAILY TEMPERATURES

16790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 54-77 (YEARS)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
NN 80							.1	.3					.0
NN 75							1.1	.9					.2
NN 70						1.3	10.3	10.1	1.0				1.9
NN 65					.5	11.4	38.7	30.2	8.6	1.0	.3		7.6
NN 60				.3	4.1	33.8	73.9	61.8	23.3	3.1	.4		16.9
NN 55				1.5	13.7	60.3	94.3	85.4	49.7	10.8	1.9		26.4
NN 50		.2	.1	6.8	34.4	87.2	99.4	96.8	72.4	25.7	7.1	.3	36.2
NN 45	.3		1.6	14.7	64.2	98.6	100.0	99.7	88.3	46.2	16.1	1.2	44.7
NN 40	1.4	1.2	5.6	37.4	88.3	99.9		99.9	96.5	66.8	29.8	5.1	53.1
NN 35	5.8	5.9	20.3	63.7	97.4	100.0		100.0	99.0	83.0	45.8	12.2	61.6
NN 30	18.1	19.6	48.1	91.2	99.9				100.0	95.8	72.7	29.3	73.4
NN 25	31.8	36.7	75.6	98.7	100.0					99.5	89.3	48.0	82.1
NN 20	48.9	54.6	89.8	99.6						99.9	97.8	65.8	88.4
NN 15	65.1	68.1	96.0	100.0						100.0	99.6	80.5	92.7
NN 10	79.2	82.9	98.9								100.0	89.8	96.0
NN 5	88.6	92.1	99.6									96.2	98.1
NN 0	95.9	98.1	100.0									98.9	99.4
NN 5-	98.5	99.7										99.6	99.8
NN 10-	99.7	100.0										100.0	100.0
NN 15-	100.0												100.0
NN													
NN													
NN													
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NN													
NN													
NN													
MEAN	18.6	20.0	28.8	37.6	47.1	56.7	62.8	61.3	53.7	43.6	35.0	23.3	40.7
S. D.	10.844	10.207	7.257	6.860	6.617	6.264	5.335	6.366	7.657	8.608	8.977	10.175	17.194
TOTAL OBS.	713	648	729	720	735	718	721	741	717	734	719	743	8638

NAVWEASERVCOM

5721 Daily Temperatures Jan 1969

DAILY TEMPERATURES

14790 SOUTH WEYMOUTH, MASSACHUSETTS 54-77

STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
N 90								.1					.0
N 85							1.0	.5					.1
N 80						.1	2.4	8.9	7.8	1.0			1.7
N 75					.1	1.2	12.9	35.0	29.8	7.5	.5		7.4
N 70					.8	6.7	38.0	72.8	57.9	20.2	1.6		16.7
N 65					2.6	19.2	64.3	94.9	85.3	41.1	9.8	1.1	26.8
N 60				.4	7.9	39.2	82.9	99.6	98.0	69.3	23.6	3.5	35.7
N 55			.3	2.1	20.4	65.2	97.1	100.0	99.7	89.1	44.6	9.5	.7	44.4
N 50	.7	.6	6.3	26.0	87.5	99.9			100.0	97.5	67.6	20.9	3.2	52.2
N 45	3.3	3.5	14.7	58.2	97.4	100.0				100.0	85.6	41.9	8.9	60.0
N 40	10.3	11.0	34.2	85.8	100.0						96.3	64.7	18.8	69.0
N 35	22.6	28.3	62.0	98.1							99.6	85.5	37.7	78.4
N 30	41.0	47.8	86.8	99.7							100.0	96.8	58.1	86.2
N 25	61.6	66.8	94.8	100.0								99.6	77.2	91.9
N 20	76.4	83.0	99.0									99.9	88.4	95.7
N 15	89.6	92.9	99.6									100.0	96.0	98.2
N 10	95.9	98.0	100.0										98.8	99.4
N 5	98.6	99.5											99.6	99.8
N 0	99.7	100.0											99.9	100.0
N -5	100.0												100.0	100.0
N														
N														
N														
N														
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N														
MEAN	27.0	28.6	37.0	47.5	57.7	66.9	72.5	71.0	63.2	53.5	43.2	31.3	50.0
S. D.	9.773	9.177	7.600	7.928	7.369	6.813	5.096	5.935	7.221	8.122	8.301	9.648	17.695
TOTAL OBS.	713	648	729	720	735	718	721	741	717	734	719	743	8638

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5721 Daily Temperatures Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1955-1977 — YEARS
JANUARY — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	27.8	-2.3	36.8	2.7	63	17.2	1973	18.9	-7.3	-10	-23.3	1964
2	27.1	-2.7	34.9	1.6	52	11.1	1972	19.3	-7.1	-3	-19.4	1968
3	28.6	-1.9	36.3	2.4	54	12.2	1960	20.9	-6.2	1	-17.2	1970
4	28.7	-1.8	35.5	1.9	45	7.2	1964	21.9	-5.6	3	-16.1	1958
5	25.7	-3.5	33.0	0.6	49	9.4	1971	18.4	-7.6	2	-16.7	1958
6	25.5	-3.6	33.9	1.1	47	8.3	1961	17.1	-8.3	0	-17.8	1959
7	28.8	-1.8	35.9	2.2	52	11.1	1962	21.7	-5.7	3	-16.1	1968
8	26.0	-3.3	34.1	1.2	49	9.4	1967	18.0	-7.8	-7	-21.7	1968
9	24.8	-4.0	32.4	0.2	55	12.8	1965	17.2	-8.2	-7	-21.7	1968
10	26.6	-3.0	34.3	1.3	54	12.2	1972	18.9	-7.3	-2	-18.9	1968
11	25.7	-3.5	33.4	0.8	58	14.4	1975	17.9	-7.8	-5	-20.6	1968
12	24.5	-4.2	32.5	0.3	56	13.3	1975	16.4	-8.7	-5	-19.4	1968
13	25.0	-3.9	33.7	0.9	58	14.4	1972	16.3	-8.7	-1	-18.3	1968
14	25.9	-3.4	35.3	1.8	56	13.3	1972	16.5	-8.6	-7	-21.7	1957
15	26.6	-3.0	34.0	1.1	57	13.9	1962	19.3	-7.1	-12	-24.4	1957
16	24.5	-4.2	32.2	0.1	51	10.6	1959	16.8	-8.4	2	-16.7	1966
17	23.7	-4.6	33.3	0.7	51	10.6	1973	14.2	-9.9	-6	-21.1	1971
18	22.9	-5.1	32.3	0.2	56	13.3	1973	13.6	-10.2	-5	-20.6	1969
19	24.7	-4.1	33.6	0.9	57	13.9	1972	15.9	-8.9	-9	-22.8	1971
20	26.9	-2.8	34.8	1.6	56	13.3	1963	19.0	-7.2	0	-17.8	1971*
21	28.1	-2.2	36.5	2.4	52	11.1	1959	19.9	-6.7	-2	-18.9	1961
22	30.5	-0.8	39.6	4.2	59	15.0	1959	21.5	-5.8	-8	-22.2	1961
23	30.0	-1.1	39.6	4.2	62	16.7	1973	20.5	-6.4	-12	-24.4	1970
24	28.3	-2.1	36.4	2.4	61	16.1	1967	20.3	-6.5	-10	-23.3	1961
25	30.1	-1.1	37.6	3.1	56	13.3	1972	22.6	-5.2	-1	-18.3	1961
26	30.3	-0.9	37.8	3.2	57	13.9	1967	22.7	-5.2	-4	-20.0	1961
27	29.9	-1.2	38.2	3.4	62	16.7	1974	21.6	-5.8	4	-15.6	1961
28	25.1	-3.8	33.0	0.6	58	14.4	1976	17.1	-8.3	-2	-18.9	1961
29	25.2	-3.8	32.8	0.4	49	9.4	1970	17.5	-8.1	2	-16.7	1963
30	27.8	-2.3	35.8	2.1	54	12.2	1959	19.8	-6.8	3	-16.1	1963
31	24.1	-4.4	31.7	-0.2	53	11.7	1974	16.5	-8.6	3	-16.1	1962
Monthly	26.8	-2.9	34.9	1.6	63	17.2	1973	18.6	-7.4	-12	-24.4	1970*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5125 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1955-1977 — YEARS
FEBRUARY — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	24.0	-4.4	31.1	-0.5	49	9.4	1976	17.0	-8.3	-9	-19.4	1961
2	25.6	-3.6	33.9	1.1	56	13.3	1970	17.3	-8.2	-10	-23.3	1961
3	26.3	-3.2	35.3	1.8	59	15.0	1970	17.3	-8.2	-3	-19.4	1961
4	26.7	-2.9	35.3	1.8	52	11.1	1972	18.0	-7.8	1	-17.2	1971
5	27.5	-2.5	34.7	1.5	56	13.3	1962	20.4	-6.4	3	-16.1	1965
6	27.8	-2.3	36.3	2.4	51	10.6	1960	19.3	-7.1	6	-14.4	1976
7	26.7	-2.9	34.5	1.4	50	10.0	1955	18.9	-7.3	1	-17.2	1966
8	25.7	-3.5	35.0	1.7	55	12.8	1965	16.3	-8.7	-6	-21.1	1963
9	26.5	-3.1	36.0	2.2	49	9.4	1970*	16.9	-8.4	2	-16.7	1959
10	27.7	-2.4	35.3	1.8	51	10.6	1955	20.1	-6.6	0	-17.8	1973
11	28.5	-1.9	36.6	2.6	57	13.9	1960	20.4	-6.4	1	-17.2	1962
12	25.7	-3.5	33.8	1.0	49	9.4	1971	17.7	-7.9	-2	-18.9	1962
13	27.3	-2.6	36.5	2.5	56	13.3	1971	18.1	-7.7	-4	-20.0	1967
14	28.0	-2.2	37.2	2.9	48	8.9	1973	18.8	-7.3	2	-16.7	1968
15	29.2	-1.6	37.6	3.1	59	15.0	1967	20.9	-6.2	7	-13.9	1975
16	27.7	-2.4	36.4	2.4	56	13.3	1967	18.9	-7.3	2	-16.7	1963
17	26.4	-3.1	34.5	1.4	48	8.9	1968	18.3	-7.6	1	-17.2	1958
18	28.8	-1.8	36.0	2.2	51	10.6	1960	21.4	-5.9	-4	-20.0	1958
19	30.9	-0.6	39.3	4.1	57	13.9	1961	22.3	-5.4	2	-16.7	1958
20	28.5	-1.9	35.7	2.1	52	11.1	1974	21.4	-5.9	-2	-18.9	1966
21	27.8	-2.3	36.3	2.4	50	10.0	1976*	19.3	-7.1	0	-17.8	1968*
22	29.4	-1.4	38.8	3.8	59	15.0	1974	20.0	-6.7	2	-16.7	1968*
23	28.8	-1.8	36.6	2.6	53	11.7	1974	21.1	-6.1	-2	-18.9	1972
24	29.5	-1.4	37.3	2.9	47	8.3	1976	21.7	-5.7	6	-14.4	1965
25	32.3	0.2	40.5	4.7	63	17.2	1976	24.0	-4.4	9	-12.8	1959
26	32.8	0.4	41.1	5.1	68	20.0	1957	24.5	-4.2	6	-14.4	1970
27	32.0	0.0	40.7	4.8	62	16.7	1957	23.3	-4.8	7	-13.9	1967
28	33.4	0.8	41.1	5.1	62	16.7	1976	25.7	-3.5	4	-15.6	1964
29	33.5	0.8	42.7	5.9	58	14.4	1976	24.3	-4.3	11	-11.7	1956
30												
31												
Monthly	28.3	-2.1	36.6	2.6	68	20.0	1957	20.0	-6.7	-10	-23.3	1961

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1954-1977 — YEARS
MARCH — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	33.8	1.0	41.3	5.2	64	17.8	1972	26.2	-3.2	11	-11.7	1962
2	34.4	1.3	41.6	5.3	57	13.9	1964	27.3	-2.6	4	-15.6	1962
3	35.0	1.7	43.1	6.2	60	15.6	1972	26.8	-2.9	2	-16.7	1962
4	34.9	1.6	43.3	6.3	68	20.0	1974	26.5	-3.1	6	-14.4	1968
5	36.1	2.3	42.4	5.8	63	17.2	1974	29.8	-1.2	13	-10.6	1969
6	35.5	1.9	42.2	5.7	61	16.1	1974	28.8	-1.8	10	-12.2	1969
7	34.8	1.6	41.9	5.5	67	19.4	1974	27.8	-2.3	13	-10.6	1968
8	33.0	0.6	41.2	5.1	60	15.6	1973	25.1	-3.8	10	-12.2	1968
9	33.8	1.0	41.9	5.5	60	15.6	1977	25.7	-3.5	15	-9.4	1969
10	34.4	1.3	42.7	5.9	64	17.8	1977	26.1	-3.3	7	-13.9	1972
11	33.0	1.7	43.6	6.4	68	20.0	1967	26.4	-3.1	9	-12.8	1960
12	35.8	2.1	43.0	6.1	64	17.8	1977*	28.5	-1.9	12	-11.1	1960
13	37.1	2.8	44.2	6.8	61	16.1	1957	30.0	-1.1	20	-6.7	1974
14	36.4	2.4	42.6	5.9	55	12.8	1977	30.2	-1.0	17	-8.3	1968
15	36.4	2.4	43.4	6.3	57	13.9	1971	29.3	-1.5	13	-10.6	1968
16	37.4	3.0	45.6	7.6	63	17.2	1973	29.2	-1.6	19	-7.2	1965
17	35.9	2.2	44.0	6.7	62	16.7	1966	27.7	-2.4	13	-10.6	1967
18	34.2	1.2	41.5	5.3	65	18.3	1966	27.0	-2.8	6	-14.4	1967
19	36.2	2.3	44.7	7.1	65	18.3	1966	27.7	-2.4	3	-16.1	1967
20	38.4	3.6	46.7	8.2	70	21.1	1959	30.1	-1.1	15	-9.4	1967
21	37.5	3.1	45.1	7.3	67	19.4	1959	29.8	-1.2	14	-10.0	1965
22	36.1	2.3	44.4	6.9	57	13.9	1966	27.9	-2.3	16	-8.9	1960
23	38.4	3.6	47.0	8.3	66	18.9	1968	29.9	-1.2	18	-7.8	1959
24	38.7	3.7	48.0	8.9	59	15.0	1976	29.4	-1.4	20	-6.7	1956
25	40.1	4.5	49.2	9.6	75	23.9	1963	30.9	-0.6	13	-10.6	1956
26	39.5	4.2	47.9	8.8	70	21.1	1963	31.2	-0.4	11	-11.7	1960
27	38.2	3.4	45.8	7.7	64	17.8	1968*	30.5	-0.8	18	-7.8	1975
28	39.1	3.9	48.5	9.2	65	18.3	1961	29.8	-1.2	18	-7.8	1975*
29	40.3	4.6	50.1	10.1	77	25.0	1968	30.5	-0.8	18	-7.8	1966*
30	40.2	4.6	48.0	8.9	79	26.1	1977	32.4	0.2	22	-5.6	1969
31	40.7	4.8	47.9	8.8	72	22.2	1968	33.5	0.8	21	-6.1	1965
Monthly	36.7	2.6	44.6	7.0	79	26.1	1977	28.8	-1.8	2	-16.7	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1954-1977 — YEARS
APRIL — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	42.4	5.8	52.5	11.4	79	26.1	1967	32.3	0.2	16	-8.9	1969
2	44.0	6.7	54.0	12.2	83	28.3	1967	34.0	1.1	22	-5.6	1964
3	43.8	6.6	53.1	11.7	78	25.6	1967	34.5	1.4	18	-7.8	1954
4	42.3	5.7	51.0	10.6	66	18.9	1960	33.7	0.9	15	-9.4	1954
5	44.3	6.8	54.1	12.3	67	19.4	1968*	34.5	1.4	22	-5.6	1954
6	43.0	6.1	51.8	11.0	65	18.3	1962	34.2	1.2	26	-3.3	1972*
7	43.6	6.4	52.6	11.4	68	20.0	1969	34.6	1.4	26	-3.3	1972*
8	43.4	6.3	51.5	10.8	75	23.9	1959	35.2	1.8	24	-4.4	1972
9	43.3	6.3	52.9	11.6	76	24.4	1970	33.7	0.9	28	-2.2	1971*
10	45.5	7.5	54.9	12.7	74	23.3	1955	36.1	2.3	29	-1.7	1977*
11	43.5	6.4	52.6	11.4	76	24.4	1955	34.4	1.3	26	-3.3	1960
12	44.6	7.0	54.8	12.7	80	26.7	1977	34.3	1.3	25	-3.9	1976
13	44.9	7.2	55.0	12.8	85	29.4	1968	34.8	1.6	26	-3.3	1967*
14	47.6	8.7	58.3	14.6	78	25.6	1969	36.9	2.7	28	-2.2	1963
15	47.4	8.6	58.1	14.5	80	26.7	1969	36.7	2.6	28	-2.2	1957
16	49.2	9.6	58.9	14.9	80	26.7	1976	39.5	4.2	28	-2.2	1957
17	51.8	11.0	62.6	17.0	83	28.3	1976	41.0	5.0	31	-0.6	1971
18	51.6	10.9	63.2	17.3	91	32.8	1976	40.0	4.4	29	-1.7	1962
19	50.2	10.1	60.3	15.7	92	33.3	1976	40.0	4.4	29	-1.7	1961
20	48.1	8.9	57.6	14.2	86	30.0	1976	38.5	3.6	29	-1.7	1965
21	51.6	10.9	63.2	17.3	87	30.6	1957	40.1	4.5	27	-2.8	1969
22	52.0	11.1	62.1	16.7	83	28.3	1977	41.8	5.4	32	0.0	1975
23	51.0	10.6	60.4	15.8	79	26.1	1973	41.7	5.4	30	-1.1	1965
24	48.1	8.9	55.5	13.1	72	22.2	1959	40.7	4.8	30	-1.1	1962
25	49.4	9.7	58.4	14.7	81	27.2	1962	40.3	4.6	30	-1.1	1965*
26	48.4	9.1	56.7	13.7	72	22.2	1970*	40.1	4.5	32	0.0	1967
27	49.5	9.7	59.3	15.2	89	31.7	1962	39.7	4.3	30	-1.1	1963
28	51.3	10.7	61.3	16.3	83	28.3	1969*	41.2	5.1	32	0.0	1971*
29	50.4	10.2	59.7	15.4	81	27.2	1974	41.2	5.1	31	-0.6	1966
30	51.8	11.0	62.2	16.8	78	25.6	1954	41.5	5.3	31	-0.6	1966
31												
Monthly	47.3	8.5	57.0	13.9	92	33.3	1976	37.6	3.1	15	-9.4	1954

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790	SOUTH WEYMOUTH, MASSACHUSETTS	1954-1977	MAY
STATION	STATION NAME	YEARS	MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	53.3	11.8	65.5	18.6	79	26.1	1954	41.2	5.1	32	0.0	1964*
2	52.1	11.2	61.6	16.4	74	23.3	1976	42.6	5.9	32	0.0	1964
3	53.5	11.9	64.5	18.1	83	28.3	1969	42.4	5.8	31	-0.6	1964
4	54.7	12.6	65.0	18.3	86	30.0	1965	44.3	6.8	36	2.2	1964
5	53.9	12.2	63.7	17.6	81	27.2	1960	44.0	6.7	38	3.3	1966
6	52.9	11.6	62.7	17.1	81	27.2	1960	43.3	6.3	32	0.0	1961
7	52.7	11.5	62.7	17.1	83	28.3	1964	42.7	5.9	32	0.0	1967
8	53.9	12.2	62.7	17.1	90	32.2	1964	45.1	7.3	28	-2.2	1968
9	55.2	12.9	65.0	18.3	90	32.2	1964	45.3	7.4	32	0.0	1956
10	56.5	13.6	67.9	19.9	92	33.3	1965	45.1	7.3	35	1.7	1966
11	56.4	13.6	66.0	18.9	84	28.9	1970	46.8	8.2	33	0.6	1966
12	57.4	14.1	67.5	19.7	89	31.7	1959	47.2	8.4	36	2.2	1963
13	57.8	14.3	68.9	20.5	81	27.2	1956	46.7	8.2	36	2.2	1963
14	56.2	13.4	66.0	18.9	83	28.3	1961	46.4	8.0	36	2.2	1968*
15	57.1	13.9	67.7	19.8	83	28.3	1961	46.4	8.0	37	2.8	1968*
16	57.9	14.4	68.5	20.3	85	29.4	1965	47.3	8.5	38	3.3	1958
17	59.3	15.2	70.0	21.1	90	32.2	1977	48.6	9.2	37	2.8	1956
18	58.1	14.5	68.0	20.0	83	28.3	1977	48.1	8.9	38	3.3	1955
19	58.7	14.8	69.0	20.6	92	33.3	1962	48.3	9.1	40	4.4	1956
20	59.4	15.2	69.4	20.8	89	31.7	1959	49.4	9.7	42	5.6	1957
21	59.2	15.1	70.1	21.2	85	29.4	1975*	48.4	9.1	40	4.4	1956
22	60.1	15.6	71.2	21.8	89	31.7	1959	49.0	9.4	40	4.4	1965
23	60.2	15.7	70.7	21.5	95	35.0	1964	49.7	9.8	38	3.3	1967
24	59.0	15.0	68.7	20.4	95	35.0	1964	49.4	9.7	36	2.2	1963
25	58.9	14.9	69.1	20.6	88	31.1	1977	48.7	9.3	36	2.2	1956
26	59.6	15.3	69.5	20.8	91	32.8	1965	49.6	9.8	34	1.1	1968
27	59.7	15.4	70.4	21.3	88	31.1	1959	49.0	9.4	31	-0.6	1969
28	61.2	16.2	72.6	22.6	87	30.6	1959	49.7	9.8	31	-0.6	1968
29	61.2	16.2	71.7	22.1	85	29.4	1955	50.7	10.4	39	3.9	1962
30	61.6	16.4	72.0	22.2	85	29.4	1975	51.2	10.7	40	4.4	1966
31	64.1	17.8	75.4	24.1	90	32.2	1956	52.8	11.6	36	2.2	1961
Monthly	57.5	14.2	67.9	19.9	95	35.0	1964	47.1	8.4	28	-2.2	1968

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5125 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1954-1977 — YEARS
JUNE — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	65.0	18.3	75.4	24.1	88	31.1	1962	54.5	12.5	43	6.1	1967
2	63.5	17.5	72.6	22.6	86	30.0	1967	54.7	12.6	46	7.8	1966
3	62.7	17.1	72.3	22.4	86	30.0	1970	53.2	11.8	45	7.2	1974*
4	63.8	17.7	74.5	23.6	88	31.1	1966	53.0	11.7	43	6.1	1965
5	64.1	17.8	75.0	23.9	88	31.1	1966	53.2	11.8	45	7.2	1958
6	64.1	17.8	75.0	23.9	93	33.9	1968	53.2	11.8	40	4.4	1964
7	63.9	17.7	73.9	23.3	93	33.9	1968	54.0	12.2	45	7.2	1974
8	63.5	17.5	74.2	23.4	92	33.3	1971*	52.9	11.6	44	6.7	1974
9	65.7	18.7	75.9	24.4	89	31.7	1973*	55.5	13.1	47	8.3	1956*
10	65.3	18.5	76.2	24.6	94	34.4	1967	54.5	12.5	45	7.2	1957
11	65.9	18.8	75.5	24.2	94	34.4	1973	55.8	13.2	46	7.8	1972*
12	65.9	18.8	77.2	25.1	92	33.3	1973*	54.6	12.6	38	3.3	1972
13	65.5	18.6	74.2	23.4	95	35.0	1956	56.9	13.8	46	7.8	1976
14	64.9	18.3	74.1	23.4	91	32.8	1956	55.7	13.2	46	7.8	1970
15	65.9	18.8	75.5	24.2	95	35.0	1956	56.3	13.5	44	6.7	1965
16	67.1	19.5	77.6	25.3	96	35.6	1967	56.7	13.7	41	5.0	1965
17	66.6	19.2	75.4	24.1	90	32.2	1967	57.8	14.3	47	8.3	1965
18	67.0	19.4	77.4	25.2	88	31.1	1955	56.7	13.7	41	5.0	1965
19	67.2	19.6	77.0	25.0	92	33.3	1957	57.4	14.1	48	8.9	1965
20	68.4	20.2	78.7	25.9	92	33.3	1964	58.1	14.5	48	8.9	1956
21	67.3	19.6	76.7	24.8	90	32.2	1965	57.9	14.4	50	10.0	1970*
22	68.4	20.2	78.5	25.8	89	31.7	1956	58.2	14.6	48	8.9	1962
23	69.8	21.0	79.6	26.4	92	33.3	1965	60.0	15.6	50	10.0	1958
24	70.5	21.4	80.3	26.8	90	32.2	1976*	60.6	15.9	52	11.1	1958
25	69.1	20.6	78.5	25.8	92	33.3	1963	59.7	15.4	50	10.0	1959
26	67.7	19.8	76.6	24.8	93	33.9	1963	58.8	14.9	50	10.0	1965
27	68.4	20.2	78.1	25.6	94	34.4	1963	58.6	14.8	50	10.0	1962
28	69.6	20.9	80.4	26.9	94	34.4	1969	58.9	14.9	48	8.9	1962
29	70.2	21.2	80.9	27.2	88	31.1	1965*	59.6	15.3	50	10.0	1970
30	72.1	22.3	81.4	27.4	94	34.4	1971*	62.8	17.1	53	11.7	1956
31												
Monthly	66.6	19.2	76.6	24.8	96	35.6	1967	56.7	13.7	38	3.3	1972

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1954-1977 — YEARS
JULY — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	73.0	22.8	83.2	28.4	97	36.1	1964*	62.7	17.1	55	12.8	1965
2	73.5	23.1	84.3	29.1	95	35.0	1968*	62.7	17.1	50	10.0	1961
3	72.0	22.2	81.6	27.6	98	36.7	1966	62.3	16.8	49	9.4	1962
4	71.2	21.8	80.9	27.2	93	33.9	1974	61.5	16.4	52	11.1	1962
5	69.5	20.8	79.1	26.2	95	35.0	1955	60.0	15.6	51	10.6	1962
6	68.5	20.3	77.4	25.2	89	31.7	1971	59.6	15.3	49	9.4	1962
7	69.9	21.1	80.4	26.9	89	31.7	1971	59.4	15.2	45	7.2	1965
8	72.5	22.5	83.0	28.3	92	33.3	1971	62.0	16.7	53	11.7	1972
9	72.7	22.6	82.4	28.0	92	33.3	1971*	62.3	16.8	52	11.1	1969
10	72.4	22.4	81.9	27.7	90	32.2	1967	63.0	17.2	54	12.2	1963*
11	71.5	21.9	80.7	27.1	90	32.2	1966	62.3	16.8	52	11.1	1963*
12	71.8	22.1	81.4	27.4	92	33.3	1972*	62.1	16.7	55	12.8	1973*
13	72.1	22.3	81.1	27.3	93	33.9	1966	63.1	17.3	52	11.1	1973
14	73.5	23.1	82.4	28.0	95	35.0	1954	64.6	18.1	56	13.3	1970
15	72.4	22.4	81.1	27.3	93	33.9	1968	63.7	17.6	55	12.8	1962
16	72.1	22.3	81.4	27.4	97	36.1	1968	62.8	17.1	53	11.7	1966
17	73.4	23.0	83.8	28.8	95	35.0	1969	63.0	17.2	55	12.8	1954
18	73.4	23.0	83.1	28.4	92	33.3	1968	63.7	17.6	53	11.7	1958*
19	74.1	23.4	83.8	28.8	97	36.1	1977	64.5	18.1	57	13.9	1973
20	72.4	22.4	80.5	26.9	96	35.6	1977	64.4	18.0	55	12.8	1965
21	71.7	22.1	80.7	27.1	99	37.2	1977	62.6	17.0	50	10.0	1966
22	72.7	22.6	82.6	28.1	96	35.6	1955	62.9	17.2	54	12.2	1965
23	72.3	22.4	81.8	27.7	96	35.6	1955	62.7	17.1	52	11.1	1976
24	73.6	23.1	83.0	28.3	92	33.3	1970	64.3	17.9	55	12.8	1963*
25	72.9	22.7	81.4	27.4	94	34.4	1963	64.3	17.9	54	12.2	1962
26	71.8	22.1	81.2	27.3	95	35.0	1963	62.3	16.8	53	11.7	1976
27	72.0	22.2	81.8	27.7	94	34.4	1963	62.1	16.7	54	12.2	1977*
28	73.4	23.0	82.9	28.3	94	34.4	1970*	63.9	17.7	54	12.2	1977
29	73.6	23.1	82.5	28.1	93	33.9	1970	64.7	18.2	57	13.9	1977
30	72.4	22.4	81.4	27.4	89	31.7	1975*	63.3	17.4	49	9.4	1968
31	73.5	23.1	82.5	28.1	96	35.6	1975	64.3	17.9	55	12.8	1956
Monthly	72.3	22.4	81.8	27.7	99	37.2	1977	62.8	17.1	45	7.2	1965

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790	SOUTH WEYMOUTH, MASSACHUSETTS	1954-1977	AUGUST
STATION	STATION NAME	YEARS	MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	73.7	23.2	83.5	28.6	96	35.6	1975	63.9	17.7	51	10.6	1964
2	72.6	22.6	81.3	27.4	102	38.9	1975	63.9	17.7	52	11.1	1961
3	71.9	22.2	81.2	27.3	93	33.9	1957	62.6	17.0	53	11.7	1976*
4	72.1	22.3	81.4	27.4	91	32.8	1968	62.8	17.1	50	10.0	1966*
5	71.1	21.7	80.6	27.0	100	37.8	1955	61.7	16.5	49	9.4	1972
6	70.6	21.4	80.3	26.8	94	34.4	1977	60.9	16.1	52	11.1	1972*
7	72.4	22.4	82.3	27.9	90	32.2	1966	62.5	16.9	50	10.0	1964
8	72.8	22.7	82.4	28.0	94	34.4	1977	63.3	17.4	55	12.8	1957
9	72.2	22.3	81.6	27.6	93	33.9	1971	62.8	17.1	50	10.0	1964
10	70.9	21.6	79.5	26.4	92	33.3	1971	62.2	16.8	46	7.8	1964
11	71.1	21.7	79.7	26.5	92	33.3	1977	62.5	16.9	51	10.6	1972*
12	70.5	21.4	80.4	26.9	90	32.2	1977	60.5	15.8	49	9.4	1968
13	71.2	21.8	81.0	27.2	91	32.8	1959	61.5	16.4	50	10.0	1957
14	71.7	22.1	81.6	27.6	92	33.3	1970	61.8	16.6	45	7.2	1964
15	71.7	22.1	81.3	27.4	93	33.9	1970	62.0	16.7	46	7.8	1964
16	71.3	21.8	81.1	27.3	94	34.4	1959	61.5	16.4	46	7.8	1964
17	72.1	22.3	80.9	27.2	92	33.3	1959	62.7	17.1	52	11.1	1961
18	71.2	21.8	80.7	27.1	91	32.8	1967	61.7	16.5	52	11.1	1961
19	70.1	21.2	79.6	26.4	93	33.9	1966	60.6	15.9	50	10.0	1958
20	70.9	21.6	80.5	26.9	94	34.4	1955	61.3	16.3	50	10.0	1976*
21	70.5	21.4	80.9	27.2	96	35.6	1955	60.2	15.7	52	11.1	1975
22	70.0	21.1	78.3	25.7	92	33.3	1976	61.6	16.4	51	10.6	1962
23	67.6	19.8	76.0	24.4	86	30.0	1976*	59.2	15.1	48	8.9	1962*
24	67.5	19.7	77.2	25.1	90	32.2	1969	57.9	14.4	48	8.9	1962
25	69.0	20.6	79.3	26.3	93	33.9	1968	58.7	14.8	48	8.9	1962
26	68.8	20.4	78.6	25.9	90	32.2	1972	59.0	15.0	46	7.8	1963
27	70.5	21.4	80.3	26.8	93	33.9	1959	60.7	15.9	48	8.9	1963
28	70.6	21.4	80.9	27.2	93	33.9	1959	60.4	15.8	46	7.8	1968
29	69.3	20.7	78.5	25.8	90	32.2	1977*	60.2	15.7	45	7.2	1965
30	68.7	20.4	77.5	25.3	91	32.8	1973	60.0	15.6	41	5.0	1965
31	69.1	20.6	78.9	26.1	90	32.2	1973	59.3	15.2	38	3.3	1965
Monthly	70.8	21.6	80.2	26.8	102	38.9	1975	61.3	16.3	38	3.3	1965

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1954-1977 — YEARS
SEPTEMBER — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	69.4	20.8	79.3	26.3	92	33.3	1969	59.5	15.3	48	8.9	1975
2	68.4	20.2	77.5	25.3	92	33.3	1966	59.2	15.1	46	7.8	1963
3	67.3	19.6	76.2	24.6	88	31.1	1973	58.4	14.7	48	8.9	1970
4	67.2	19.6	76.6	24.8	90	32.2	1971	57.9	14.4	44	6.7	1965
5	68.2	20.1	78.0	25.6	92	33.3	1971	58.4	14.7	45	7.2	1965
6	66.4	19.1	75.3	24.1	85	29.4	1959	57.5	14.2	45	7.2	1965
7	65.3	18.5	75.3	24.1	85	29.4	1959	55.2	12.9	40	4.4	1962
8	65.4	18.6	75.1	23.9	90	32.2	1960	55.6	13.1	47	8.3	1962*
9	65.2	18.4	74.2	23.4	94	34.4	1971	56.2	13.4	49	9.4	1976*
10	65.3	18.5	75.1	23.9	89	31.7	1961	56.0	13.3	47	8.3	1956
11	64.6	18.1	73.8	23.2	91	32.8	1961	55.3	12.9	43	6.1	1969*
12	64.5	18.1	74.0	23.3	92	33.3	1961	55.0	12.8	44	6.7	1958
13	63.3	17.4	73.3	22.9	92	33.3	1957	53.2	11.8	44	6.7	1963
14	62.6	17.0	71.2	21.8	85	29.4	1962	54.0	12.2	40	4.4	1964
15	61.2	16.2	70.4	21.3	85	29.4	1958	52.0	11.1	38	3.3	1963
16	61.7	16.5	70.7	21.5	87	30.6	1971	52.7	11.5	40	4.4	1964
17	60.6	15.9	69.0	20.6	83	29.4	1972*	52.2	11.2	42	5.6	1964*
18	61.4	16.9	71.1	21.7	85	29.4	1955	53.6	12.0	42	5.6	1959
19	60.5	15.9	69.4	20.8	84	28.9	1955	51.8	11.0	37	2.8	1964*
20	61.0	16.1	70.7	21.5	84	28.9	1965	51.3	10.7	34	1.1	1964
21	60.2	15.7	68.9	20.5	88	31.1	1965	51.6	10.9	33	0.6	1969
22	61.9	16.6	71.3	21.8	90	32.2	1970*	52.6	11.4	33	0.6	1969
23	60.7	15.9	69.8	21.0	92	33.3	1970	51.7	10.9	34	1.1	1969
24	58.8	14.9	67.2	19.6	88	31.1	1959	50.4	10.2	36	2.2	1963
25	58.6	14.8	67.9	19.9	86	30.0	1970	49.4	9.7	33	0.6	1963
26	60.8	16.0	70.9	21.6	90	32.2	1958	50.7	10.4	37	2.8	1967
27	60.2	15.7	69.6	20.9	83	28.3	1972	50.7	10.4	34	1.1	1957
28	59.0	15.0	67.8	19.9	83	28.3	1959*	50.2	10.1	36	2.2	1965*
29	59.7	15.4	68.3	20.2	83	28.3	1959	51.0	10.6	35	1.7	1957
30	58.8	14.9	68.9	20.5	82	27.8	1959	48.2	9.0	38	3.3	1968*
31												
Monthly	63.0	17.2	72.2	22.3	94	34.4	1971	53.7	12.1	33	0.6	1969*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5525 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790 — STATION
SOUTH WEYMOUTH, MASSACHUSETTS — STATION NAME
1954-1977 — YEARS
OCTOBER — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	58.5	14.7	67.8	19.9	83	28.3	1954	49.2	9.6	33	0.6	1963
2	57.6	14.2	68.1	20.1	86	30.0	1954	47.1	8.4	36	2.2	1964
3	58.3	14.6	68.1	20.1	78	25.6	1966	48.6	9.2	34	1.1	1965
4	56.6	13.7	66.3	19.1	85	29.4	1959	46.9	8.3	37	2.8	1965
5	56.1	13.4	65.7	18.7	80	26.7	1967	46.4	8.0	27	-2.8	1965
6	55.4	13.0	65.7	18.7	84	28.9	1963	45.1	7.3	26	-3.3	1965
7	55.8	13.2	65.0	18.3	88	31.1	1963	46.5	8.1	30	-1.1	1965
8	56.1	13.4	65.5	18.6	78	25.6	1966	46.7	8.2	32	0.0	1954
9	56.1	13.4	65.4	18.6	79	26.1	1961	46.7	8.2	34	1.1	1963
10	55.3	12.9	65.1	18.4	82	27.8	1958	45.5	7.5	30	-1.1	1963
11	55.0	12.8	64.3	17.9	82	27.8	1955	45.7	7.6	30	-1.1	1972
12	55.1	12.8	65.2	18.4	87	30.6	1954	45.0	7.2	28	-2.2	1964
13	53.6	12.0	64.0	17.8	87	30.6	1954	43.3	6.3	32	0.0	1972*
14	54.5	12.5	65.3	18.5	79	26.1	1954	43.7	6.5	28	-2.2	1972
15	57.4	14.1	68.8	20.4	84	28.9	1956	46.0	7.8	28	-2.2	1972
16	56.0	13.3	67.2	19.6	86	30.0	1956	44.8	7.1	28	-2.2	1972*
17	54.3	12.4	63.2	17.3	84	28.9	1966	45.4	7.4	32	0.0	1965
18	52.0	11.1	61.7	16.5	78	25.6	1966	42.3	5.7	29	-1.7	1966
19	50.5	10.3	60.1	15.6	82	27.8	1965*	40.8	4.9	28	-2.2	1970
20	50.2	10.1	59.9	15.5	78	25.6	1969	40.4	4.7	26	-3.3	1970
21	50.5	10.3	60.2	15.7	73	22.8	1965	40.7	4.8	26	-3.3	1972
22	49.7	9.8	59.6	15.3	75	23.9	1975	39.7	4.3	29	-1.7	1974
23	52.5	11.4	62.3	16.8	75	23.9	1968	42.6	5.9	28	-2.2	1969
24	52.0	11.1	61.5	16.4	78	25.6	1972	42.6	5.9	23	-5.0	1969
25	50.3	10.2	58.5	14.7	82	27.8	1963	42.1	5.6	27	-2.8	1962
26	49.7	9.8	58.0	14.4	82	27.8	1963	41.4	5.2	30	-1.1	1972
27	49.0	9.4	58.5	14.7	83	28.3	1963	39.5	4.2	28	-2.2	1966
28	48.0	8.9	57.8	14.3	77	25.0	1971*	38.2	3.4	27	-2.8	1961
29	48.2	9.0	57.6	14.2	72	22.2	1971	38.9	3.8	28	-2.2	1962
30	46.5	8.1	55.6	13.1	72	22.2	1971	37.5	3.1	22	-5.6	1966
31	48.7	9.3	57.2	14.0	74	23.3	1956	40.3	4.6	18	-7.8	1966
Monthly	53.2	11.8	62.9	17.2	88	31.1	1963	43.6	6.4	18	-7.8	1966

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790	SOUTH WEYMOUTH, MASSACHUSETTS	1954-1977	NOVEMBER
STATION	STATION NAME	YEARS	MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	49.2	9.6	58.0	14.4	78	25.6	1971	40.5	4.7	23	-5.0	1968
2	47.6	8.7	55.6	13.1	70	21.1	1971	39.5	4.2	22	-5.6	1965
3	48.8	9.3	56.7	13.7	74	23.3	1975	40.9	4.9	22	-5.6	1965
4	50.3	10.2	59.1	15.1	76	24.4	1977	41.5	5.3	29	-1.7	1966
5	47.7	8.7	55.2	12.9	75	23.9	1961	40.2	4.6	25	-3.9	1965
6	46.2	7.9	53.8	12.1	73	22.8	1959	38.6	3.7	25	-3.9	1967*
7	45.6	7.6	53.8	12.1	73	22.8	1975	37.4	3.0	23	-5.0	1962
8	45.1	7.3	52.5	11.4	67	19.4	1975	37.8	3.2	24	-4.4	1960
9	44.1	6.7	51.5	10.8	73	22.8	1975	36.7	2.6	23	-5.0	1971
10	42.8	6.0	49.5	9.7	67	19.4	1977	36.1	2.3	23	-5.0	1965*
11	42.3	5.7	49.8	9.9	68	20.0	1977*	34.8	1.6	19	-7.2	1956
12	45.0	7.2	53.2	11.8	64	17.8	1964*	36.9	2.7	23	-5.0	1957
13	44.2	6.8	51.9	11.1	73	22.8	1964	36.5	2.5	28	-2.2	1954
14	43.9	6.6	51.7	10.9	70	21.1	1959	36.2	2.3	27	-2.8	1971
15	42.3	5.7	50.6	10.3	69	20.6	1956	34.0	1.1	20	-6.7	1967
16	42.6	5.9	50.8	10.4	68	20.0	1956	34.5	1.4	14	-10.0	1967
17	42.7	5.9	51.6	10.9	64	17.8	1954	33.7	0.9	13	-10.6	1967
18	42.9	6.1	50.0	10.0	73	22.8	1963	35.8	2.1	20	-6.7	1959
19	41.4	5.2	49.6	9.8	68	20.0	1957	33.1	0.6	23	-5.0	1964*
20	40.6	4.8	49.3	9.6	66	18.9	1954	32.0	0.0	19	-7.2	1965
21	40.7	4.8	48.7	9.3	66	18.9	1975	32.7	0.4	18	-7.8	1967
22	38.9	3.8	46.3	7.9	63	17.2	1962	31.5	-0.3	17	-8.3	1969
23	38.3	3.5	46.1	7.8	66	18.9	1968	30.5	-0.8	15	-9.4	1964
24	40.0	4.4	48.1	8.9	64	17.8	1968	31.9	-0.1	17	-8.3	1956
25	37.9	3.3	46.0	7.8	60	15.6	1959	29.7	-1.3	18	-7.8	1956
26	39.5	4.2	48.1	8.9	62	16.7	1972	30.8	-0.7	18	-7.8	1970
27	40.1	4.5	48.2	9.0	61	16.1	1976*	32.0	0.0	15	-9.4	1957
28	41.4	5.2	49.7	9.8	64	17.8	1957	33.0	0.6	17	-8.3	1968
29	40.4	4.7	47.7	8.7	68	20.0	1963	33.0	0.6	20	-6.7	1955
30	36.0	2.2	43.6	6.6	66	18.9	1968	28.2	-2.1	13	-10.6	1967
31												
Monthly	42.9	6.1	50.9	10.5	78	25.6	1971	35.0	1.7	13	-10.6	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14790	SOUTH WEYMOUTH, MASSACHUSETTS	1954-1977	DECEMBER
STATION	STATION NAME	YEARS	MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	31.9	-0.1	39.9	4.4	64	17.8	1962	25.0	-3.9	14	-10.0	1965
2	33.5	0.8	41.5	5.3	59	15.0	1970	25.6	-3.6	13	-10.6	1967
3	34.2	1.2	42.4	5.8	55	12.8	1970	26.0	-3.3	7	-13.9	1976
4	34.4	1.3	41.7	5.4	58	14.4	1973	27.1	-2.7	8	-13.3	1976
5	34.5	1.4	42.0	5.6	62	16.7	1973	27.0	-2.8	13	-10.6	1976
6	34.8	1.6	43.2	6.2	62	16.7	1972	26.5	-3.1	14	-10.0	1976*
7	34.0	1.1	41.4	5.2	60	15.6	1956	26.7	-2.9	8	-13.3	1964
8	33.7	0.9	41.5	5.3	63	17.2	1966	25.8	-3.4	4	-15.6	1964
9	34.6	1.4	42.7	5.9	66	18.9	1966	26.5	-3.1	6	-14.4	1968
10	33.3	0.7	40.3	4.6	58	14.4	1966	26.3	-3.2	5	-15.0	1968
11	32.9	0.5	41.0	5.0	64	17.8	1969	24.8	-4.0	3	-16.1	1958
12	32.1	0.1	39.7	4.3	59	15.0	1959	24.6	-4.1	5	-15.0	1960
13	32.0	0.0	40.2	4.6	60	15.6	1956	23.7	-4.6	-2	-18.9	1958
14	32.6	0.3	40.3	4.6	58	14.4	1968	24.9	-3.9	3	-16.1	1976
15	31.4	-0.3	38.4	3.6	61	16.1	1975	24.4	-4.2	1	-17.2	1960
16	29.8	-1.2	37.2	2.9	62	16.7	1971	22.3	-5.4	7	-13.9	1961
17	30.6	-0.8	38.2	3.4	58	14.4	1973	22.9	-5.1	6	-14.4	1963
18	29.5	-1.4	37.7	3.2	55	12.8	1966	21.2	-6.0	7	-13.9	1963
19	28.9	-1.7	37.1	2.8	59	15.0	1967	20.7	-6.3	6	-14.4	1960
20	29.4	-1.4	37.1	2.8	63	17.2	1957	21.6	-5.8	0	-17.8	1962*
21	27.7	-2.4	35.5	1.9	62	16.7	1957	20.0	-6.7	-3	-19.4	1955
22	28.4	-2.0	35.2	1.8	58	14.4	1967	21.5	-5.8	0	-17.8	1955
23	28.0	-2.2	36.2	2.3	56	13.3	1957	19.7	-6.8	-1	-18.3	1963
24	29.3	-1.5	37.2	2.9	56	13.3	1957	21.3	-5.9	2	-16.7	1960
25	29.6	-1.3	37.7	3.2	65	18.3	1964	21.4	-5.9	0	-17.8	1968
26	31.1	-0.5	39.3	4.1	61	16.1	1964	22.8	-5.1	-3	-19.4	1968
27	28.5	-1.9	36.2	2.3	57	13.9	1964	20.9	-6.2	5	-15.0	1968
28	28.3	-2.1	35.3	1.8	56	13.3	1971	21.2	-6.0	1	-17.2	1963
29	29.5	-1.4	37.9	3.3	56	13.3	1954	21.1	-6.1	1	-17.2	1963
30	27.6	-2.4	35.2	1.8	49	9.4	1965*	20.0	-6.7	-8	-22.2	1962
31	27.1	-2.7	34.7	1.5	63	17.2	1965	19.4	-7.0	-8	-22.2	1962
Monthly	31.1	-0.5	38.8	3.8	66	18.9	1966	23.3	-4.8	-8	-22.2	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

14790 SOUTH WEYMOUTH, MASSACHUSETTS 54-77
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54				86	83	90	95		83	87	66	56	
55	44	55	62	76	87	91	96	100	85	82	60	49	100
56	43	49	53	76	90	95	91	90	85	86	75	60	95
57	55	68	61	87	89	92	95	93	92	76	68	63	95
58	54	45	58	78	82	89	92	88	90	82	65	54	92
59	59	51	70	76	89	93	90	94	88	85	73	59	94
60	54	57	62	78	81	89	89	90	90	81	69	54	90
61	54	57	65	70	84	92	88	89	92		75	56	
62	57	56	73	89		88	89	86	87		62	64	
63	56	48	75	77	87	94	97	87	83	88	73	53	97
64	52	47	74	87	95	94		88		80	73	65	
65	55	57	59	77	92	92	94	90	90	82	69	63	94
66	59	53	65	69	85	93	98	93	92	78	68	66	98
67	61	59	68	83	80	96	90	91	86	80	70	59	96
68	52	55	77	85	77	93	97	93	88	85	64	59	97
69	50	44	59	83	87	94	95	92	92	78	62	64	95
70	49	59	59	80	88	88	94	93	92	79	66	59	94
71	49	56	60	65	76	94	92	93	94	85	78	62	94
72	58	53	64	81	86	84	92	90	85	79	66	62	92
73	63	54	64	79	82	94	91	91	88	78	67	62	94
74	62	59	68	81	86	88	93	90	85	77	73	60	93
75	58	53	58	65	85	90	96	102	78	80	74	62	102
76	58	63	67	92	82	90	89	92	84	76	62	56	92
77	47	48	79	83	90	87	99	94	88	76	76	52	99
MEAN	54.3	54.2	65.2	79.3	85.3	91.3	95.1	91.7	87.7	80.9	68.7	59.1	95.2
S. D.	5.431	5.750	6.882	7.062	4.618	2.967	3.209	3.686	3.890	3.715	5.223	4.504	2.978
TOTAL OBS.	713	650	713	720	713	720	713	713	690	682	720	744	8491

NAVWEASERVCOM

19707S

5723 Extreme Values Jan 1969

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

14790 SOUTH WEYMOUTH, MASSACHUSETTS 54-77

STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54			67 17					90 30					MAX TEMP DAYS
61										79 22			MAX TEMP DAYS
62					92 24					77 30			MAX TEMP DAYS
64							97 10		84 29				MAX TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 54-77 (YEARS)

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54				15	41	49	55		47	32	26	7	
55	7	0	13	30	38	46	57	51	40	31	20	3-	3-
56	6	8	11	30	32	47	53	53	37	31	17	5	5
57	12-	13	16	23	37	45	52	48	34	32	15	14	12-
58	2	4-	26	30	37	45	53	50	41	31	16	2-	4-
59	0	2-	18	31	40	45	57	55	41	29	20	10	2-
60	10	19	9	26	39	48	53	51	42	33	22	1	1
61	10-	10-	14	29	32	43	50	51	41		24	5	
62	3		2	26		48	49	48			22		
63	0	6-	16	27	36		51		33	30	23	7-	
64	10-	4		21	31	40				28		4	
65	5-	3	14	21	34	41	45	38	36	26	19	6	5-
66	2	2-	18	26	33	42	50	50	40	18	23	12	2-
67	8	4-	3	26	32	43	56	52	37	30	13	5	4-
68	7-	0	6	28	28	48	49	46	38	29	17	3-	7-
69	7	9	10	16	31	46	52	49	33	23	17	7	7
70	12-	4	17	29	41	46	56	56	45	26	18	8	12-
71	9-	2-	22	28	38	47	53	49	42	42	23	11	9-
72	3	2-	7	24	36	38	51	49	43	26	20	12	2-
73	3	4	24	32	42	45	52	56	43	35	26	10	3
74	0	9	19	29	38	44	56	56	37	29	19	13	0
75	12	0	18	27	36	49	53	50	42	32	29	4	0
76	2-	2	18	25	37	46	52	49	41	29	24	3	2-
77	1-	8	19	29	37	47	54	50	45	29	24	6	1-
MEAN	.2-	2.3	14.5	26.2	35.9	45.1	52.6	50.3	39.9	29.6	20.7	5.6	2.6-
S. D.	7.148	6.714	6.405	4.371	3.704	2.881	2.905	3.992	3.866	4.574	3.968	5.574	5.048
TOTAL OBS.	713	622	682	720	713	690	712	651	660	682	690	713	8249

NAVWEASERVCOM

19707 9

5723 Extreme Values Jan 1969

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 54-77 YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
54			22 17					51 30					MIN TEMP DAYS
61										27 22			MIN TEMP DAYS
62		2- 26			39 22				34 29	23 30		8- 30	MIN TEMP DAYS
63						46 28		46 30					MIN TEMP DAYS
64			22 30				56 8	45 30	34 28		15 29		MIN TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

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5723 Extreme Values Jan 1969

PSYCHROMETRIC SUMMARY

14790 STATION — SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME — 73-77 YEARS — JAN MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63						.1												1	1		
62/ 61					.1		.1											2	2		
60/ 59						.1												1	1		
58/ 57	.1	.6				.1	.1											10	10	5	2
56/ 55	.1	.4	.2	.2	.1													12	12	7	10
54/ 53		.4			.1													6	6	9	3
52/ 51		.2	.1	.2	.2	.2	.1											12	12	2	5
50/ 49	.1	.3	.2	.2	.2	.2	.1											16	16	12	3
48/ 47	.1	.2	.3		.3	.2	.2											17	17	6	6
46/ 45	.3	.3	.4	.3	.2	.1												21	21	19	13
44/ 43	.2	.5	.2	.4	.5													22	22	14	4
42/ 41	.2	.6	.7	.6	.4	.2												34	34	19	11
40/ 39	.3	1.0	.6	1.1	.4													42	42	28	17
38/ 37	.6	1.8	1.3	1.1	.6													67	67	52	22
36/ 35	.5	3.2	1.6	1.2	.2	.2												85	85	62	37
34/ 33	.8	2.8	1.5	1.7	.2													88	88	83	42
32/ 31	.6	2.7	2.3	2.0	.3													98	98	73	49
30/ 29	.6	1.7	2.0	1.4														70	70	90	70
28/ 27	.4	2.8	2.8	1.4	.1													93	93	70	45
26/ 25	.4	1.9	2.4	1.5														77	77	102	51
24/ 23	.2	2.3	2.2	.7														67	67	78	53
22/ 21	.3	2.5	2.7	.7														77	77	82	64
20/ 19	.6	2.2	1.9	.2														60	60	76	57
18/ 17	.4	2.5	2.6	.2														71	71	84	67
16/ 15	.1	2.0	2.0															51	51	53	65
14/ 13	.2	1.6	1.5															41	41	65	63
12/ 11		1.2	1.1															28	28	40	79
10/ 9		1.1	1.0															25	25	32	67
8/ 7		1.0	.4															17	17	34	43
6/ 5	.2	.6	.2															12	12	15	42
4/ 3		.5																6	6	11	42
2/ 1	.1	.2																3	4	8	47
0/- 1	.4																	5	7	6	38
-2/- 3																					20

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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5 PSYCHROMETRIC SUMM JAN 68

PSYCHROMETRIC SUMMARY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) JAN (MONTH)

PAGE 2 (HOURS (L.S.T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-4 /- 5																					15
- 6/- 7																					17
- 8/- 9																					12
-10/-11																					12
-12/-13																					13
-14/-15																					9
-16/-17																					8
-18/-19																					6
-20/-21																					3
-22/-23																					3
-24/-25																					1
-26/-27																					1
TOTAL	7.7	39.1	32.2	15.1	4.0	1.3	.6										1237	1240	1237	1237	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	5659795	80337	64.9	18.917	1237							
Dry Bulb	1149089	35017	28.2	11.371	1240	4.2	482.4					744.0
Wet Bulb	939126	31328	25.3	10.858	1237	3.6	552.7					744.0
Dew Point	628414	21064	17.0	14.772	1237	95.0	638.7					744.0

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5-5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | FEB MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
62/ 61								.1										1	1		
60/ 59									.2									2	2		
58/ 57		.1	.1		.1	.1		.1										5	5		
56/ 55		.1					.1		.1									3	3	2	
54/ 53	.2	.4	.1		.2	.1	.2											13	13	7	8
52/ 51	.2	.1	.1	.1		.2	.1	.1										9	9	4	5
50/ 49	.3	.3	.3	.1	.4	.4												19	19	6	4
48/ 47	.3	.3	.4	.3	.3	.1	.2											19	19	12	5
46/ 45		.7	.4	.2	.3	.4	.1											23	23	12	5
44/ 43		.4	.5	.9	.5	.6												34	34	16	5
42/ 41	.3	.8	1.0	2.0	1.0	.4												61	61	22	10
40/ 39	.7	1.6	1.2	1.2	.6													60	60	49	16
38/ 37	.8	1.2	1.6	1.2	.7	.2												64	64	47	43
36/ 35	.7	1.5	2.4	1.5	.9	.3												82	82	74	23
34/ 33	.8	3.7	1.9	.8	1.0	.5												98	98	87	27
32/ 31	.9	2.0	2.2	1.3	.8	.3												85	85	97	61
30/ 29	.4	2.4	1.6	1.2	.7													71	71	82	67
28/ 27	.2	1.2	2.1	2.0	.4													67	67	69	65
26/ 25	.1	1.2	2.0	2.0														59	59	62	55
24/ 23	.5	.9	2.0	1.6														57	57	71	53
22/ 21	.9	3.0	2.9	1.0														88	88	79	58
20/ 19	.2	1.8	2.4	.5														55	55	84	48
18/ 17	.1	1.5	2.4	.2														47	47	72	49
16/ 15	.2	1.5	1.6															37	37	45	46
14/ 13		1.0	1.1															23	23	53	53
12/ 11	.1	1.4	.8															26	26	29	50
10/ 9		.5	.3															9	9	24	56
8/ 7		.2	.3															5	5	10	48
6/ 5		.4	.1															5	5	6	51
4/ 3		.1																1	1	6	44
2/ 1																				1	42
0/- 1																					36
- 2/- 3																					28
-4 /- 5																					18

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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1 JAN 68 PSYCHROMETRIC SUMMARY

PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | FEB MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
- 6/- 7																					17
- 8/- 9																					14
-10/-11																					7
-12/-13																					5
-14/-15																					1
-18/-19																					2
-22/-23																					1
-24/-25																					1
-26/-27																					1
TOTAL	7.7	30.2	31.6	17.9	7.8	3.6	.6	.3	.3										1128		1128
																		1128		1128	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	4911319	70683	62.7	20.684	1128							
Dry Bulb	1165549	34307	30.4	10.410	1128		378.3					672.0
Wet Bulb	921391	30265	26.8	9.850	1128		470.6					672.0
Dew Point	577176	20122	17.8	13.915	1128	78.0	582.0					672.0

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PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION — SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME — 73-77 YEARS — MAR MONTH

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
78/ 77											.1							1	1		
74/ 73						.1		.1										2	2		
70/ 69					.1													1	1		
68/ 67					.1	.2												3	3		
66/ 65						.1	.1											2	2		
64/ 63					.1	.2	.1											4	4	1	
62/ 61		.1	.1	.2	.1	.2	.1		.1									9	9	4	
60/ 59	.2		.1		.2	.2	.1	.2										10	10	4	3
58/ 57	.2	.4	.3	.2	.2	.2	.1	.1										20	20	6	5
56/ 55		.3	.4	.1	.5	.3	.3	.1										25	25	13	7
54/ 53	.2	.9	.4	.2	.3	.4	.4	.2										38	38	16	9
52/ 51	.2	.9	.2	.6		.4	.4											35	35	28	18
50/ 49	.2	1.1	.8	.2	.3	.4	.2											41	41	22	20
48/ 47	.2	.6	.6	.4	.8	.5	.2	.3										46	46	37	25
46/ 45	.6	1.3	.9	.6	1.3	.2	.6											67	67	42	24
44/ 43	.2	1.5	1.6	1.1	.9	.7	.4											81	81	49	26
42/ 41	.6	2.1	2.2	1.4	1.3	.9	.3											108	108	63	38
40/ 39	1.0	2.6	2.1	1.9	1.6	.6												123	123	98	51
38/ 37	1.7	2.8	1.7	2.9	1.0	.9												137	137	120	71
36/ 35	.4	2.3	2.7	2.6	1.6	.5												124	124	90	62
34/ 33	.2	2.5	2.3	2.3	1.1	.3												109	109	120	61
32/ 31	.1	1.0	1.9	2.4	1.0	.1												81	81	136	68
30/ 29	.2	1.4	1.5	.9	.6													56	56	109	80
28/ 27	.1	1.3	1.2	1.0	.5													50	50	84	65
26/ 25		.4	1.0	1.3														34	34	77	70
24/ 23		.2	.4	.5														14	14	45	78
22/ 21		.1	.3	.4														10	10	33	70
20/ 19		.1	.6	.1														9	9	22	55
18/ 17																				12	50
16/ 15																				9	53
14/ 13																					40
12/ 11																					37
10/ 9																					40
8/ 7																					32

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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05 PSYCHROMETRIC SUMM JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | MAR MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
6/ 5																					12
4/ 3																					15
2/ 1																					13
0/- 1																					16
- 2/- 3																					13
-4 /- 5																					7
- 6/- 7																					4
- 8/- 9																					2
TOTAL	6.4	24.0	23.3	21.3	13.5	7.3	3.2	.9	.1		.1							1240	1240	1240	1240

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	5611675	78939	63.7	21.756	1240							
Dry Bulb	2029362	48952	39.5	8.841	1240		152.4	4.2	1.8			744.0
Wet Bulb	1606845	43335	34.9	8.635	1240		316.2					744.0
Dew Point	1096076	33032	26.6	13.208	1240	25.2	492.0					744.0

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5605 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION — SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME — 73-77 YEARS — APR MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
92/ 91													.1					1	1		
90/ 89													.2					2	2		
86/ 85										.1		.1						2	2		
84/ 83									.1			.1						2	2		
82/ 81								.1		.1	.1							3	3		
80/ 79							.1	.1	.2	.1								5	5		
78/ 77							.2	.1	.1	.2			.1					8	8		
76/ 75							.1	.1	.1	.2		.1						6	6		
74/ 73						.3		.2	.2									8	8		
72/ 71				.1		.3	.1	.1	.2	.1	.2							13	13		
70/ 69					.1	.2	.1	.1	.1	.2								8	8		
68/ 67				.6	.1	.2	.2	.4	.6	.2	.2							31	31	8	
66/ 65			.2	.2	.2	.3	.2		.6	.2	.1							26	26	6	
64/ 63		.2	.1	.2	.2	.2			.7	.4								25	25	17	
62/ 61		.4	.2	.2	.3	.5	.2	.7	.4	.2								38	38	15	4
60/ 59	.2	.2	.4	.2	.2	.7	.4	.2	.3	.2								38	38	27	17
58/ 57		1.1	.6	.4	.5	.7	.7	.5	.2	.1								57	57	21	18
56/ 55	.2	.4	.6	.4	.6	.4	.9	.4	.1									48	48	32	23
54/ 53	.7	.6	.7	.6	.8	.7	.9	.9	.5	.1								79	79	44	25
52/ 51	.1	.5	1.4	1.1	1.0	1.2	1.1	.7	.2									87	87	41	23
50/ 49	.2	.7	.6	1.2	.6	1.2	1.2	.2	.1									72	72	52	36
48/ 47	.1	1.1	.9	1.1	1.8	.9	.8	.4										86	86	78	28
46/ 45	.1	1.7	1.0	1.1	1.7	1.7	.6	.2										98	98	83	47
44/ 43	.2	1.6	1.4	2.5	1.7	.6	.9											106	106	84	34
42/ 41	.2	.9	1.3	3.0	.7	.6	.1											83	83	100	59
40/ 39	.4	1.1	1.7	2.0	1.5	.7												89	89	121	49
38/ 37		1.0	.8	.9	1.0	.2	.2											50	50	108	53
36/ 35		1.0	1.2	1.0	.7	.2												49	49	117	65
34/ 33		.7	1.4	1.1	.3	.1												44	44	82	57
32/ 31		.8	.3	.5	.3													24	24	60	72
30/ 29		.5	.1	.2														9	9	59	102
28/ 27				.2														2	2	25	92
26/ 25				.1														1	1	11	81
24/ 23																				6	68

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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5 PSYCHROMETRIC SUMM JAN 68

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2.3	14.5	15.2	18.9	14.6	12.1	9.1	5.3	4.6	2.2	.6	.2	.3			

PSYCHROMETRIC SUMMARY

14790 STATION — SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME — 73-77 YEARS — MAY MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
90/ 89													.1					1	1		
88/ 87									.1	.1	.1							3	3		
86/ 85								.1		.3								5	5		
84/ 83							.1		.2	.2	.3							9	9		
82/ 81					.1	.1	.2	.1	.2	.2		.2	.1					14	14		
80/ 79						.2	.1	.2	.3	.1	.2	.2	.2	.1				18	18		
78/ 77						.2	.2	.2	.1	.2	.2	.2	.2					18	18		
76/ 75						.3	.2	.4	.2	.2	.1		.1					19	19		
74/ 73			.2	.1	.2	.4	.6	.3	.2	.1								27	27	2	
72/ 71				.7	.8	.6	.3	.2	.1	.1	.2	.1						39	39	6	
70/ 69			.2	.4	.3	.8	.3	.3	.6	.2	.2							42	42	8	1
68/ 67		.3	.8	.5	.3	.6	.4	.6	.6	.3	.1							57	57	16	3
66/ 65		.1	.6	.6	.3	.9	.5	1.0	.2	.2	.2							57	57	35	9
64/ 63		.7	.6	.4	.6	.7	.6	.7	.5	.2	.2							67	67	53	13
62/ 61	.1	.8	.9	.8	1.0	1.1	1.7	.6	.6									93	93	53	34
60/ 59	.3	1.4	.7	1.4	1.0	.9	.3	.3	.2	.1								82	82	64	47
58/ 57	.2	1.3	1.5	1.3	2.0	1.4	.3	.6	.3									111	111	69	48
56/ 55	.4	1.9	1.1	1.9	.9	.8	.3	.5	.2									99	99	71	64
54/ 53	.1	2.0	2.2	2.1	1.0	.4	.8	.2										110	110	113	56
52/ 51	.4	1.9	3.1	1.7	1.0	.4	.6	.1	.1									115	115	130	65
50/ 49	.1	1.6	2.7	.9	1.0	.4	.3											87	87	151	78
48/ 47		2.2	2.3	.8	.5	.2												73	73	140	92
46/ 45		1.4	1.0	.6	.4	.2	.2											47	47	110	97
44/ 43		.3	.5	.4	.2													18	18	83	91
42/ 41			.9	.4	.2													18	18	60	130
40/ 39			.4															5	5	35	88
38/ 37			.3	.2														6	6	24	87
36/ 35																				10	37
34/ 33																				5	35
32/ 31																				2	28
30/ 29																					38
28/ 27																					25
26/ 25																					21
24/ 23																					18

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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05 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | MAY MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
22/ 21																					
20/ 19																					13
18/ 17																					9
16/ 15																					8
12/ 11																					1
10/ 9																					2
TOTAL	1.6	15.9	20.0	15.2	11.9	10.6	8.1	6.5	4.7	2.3	1.8	.6	.6	.1				1240	1240	1240	1240

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	5411519	77851	62.8	20.561	1240							
Dry Bulb	4378111	72713	58.6	9.602	1240			151.2	68.4	28.8		744.0
Wet Bulb	3342364	63692	51.4	7.562	1240		1.2	19.2	1.2			744.0
Dew Point	2556982	54836	44.2	10.321	1240		99.0	2.4				744.0

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5105 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | JUN MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91										.1	.2							3	3		
90/ 89								.1		.2								3	3		
88/ 87							.2	.2	.7	.1	.2							16	16		
86/ 85					.1	.1	.2	.3	.3	.1								13	13		
84/ 83						.1	.6	.6	.1	.3	.1	.2						23	23		
82/ 81					.2	.5	1.2	.6	.2	.2		.1						36	36		
80/ 79				.1	.4	.8	1.0	.7	.2	.2	.1							42	42	1	
78/ 77				.4	1.2	.8	.5	.2	.2	.2	.3							47	47	1	1
76/ 75			.3	1.0	1.2	.9	.5	.7	.6	.3	.2	.1						71	71	3	
74/ 73		.2	.6	2.1	1.3	1.5	.3	.6	.2	.2	.2							88	88	23	
72/ 71		.7	1.8	1.7	1.0	.3	.5		.3	.2								79	79	52	4
70/ 69		2.2	3.2	2.2	1.2	.6	.3	.7		.2								129	129	92	30
68/ 67		1.6	3.3	1.1	.5	1.2	.3	.4	.2	.1								105	105	131	65
66/ 65		3.3	2.2	1.1	1.0	.9	.2	.2	.2									109	109	134	103
64/ 63	.2	2.5	1.2	1.1	.4	1.1	.3	.1										84	84	147	137
62/ 61	.6	2.2	.9	1.5	.9	.9	.3	.1										90	90	96	158
60/ 59	.2	1.6	1.2	1.4	.6	.7	.1	.2										70	70	92	101
58/ 57		1.4	1.5	.7	.6	.1												52	52	88	75
56/ 55		1.5	1.7	1.1	.2													53	53	78	59
54/ 53		1.2	1.6	.6			.1											42	42	96	75
52/ 51		.2	.8	.5	.1													20	20	72	62
50/ 49			.7	.1														9	9	44	78
48/ 47		.1	.7	.2														11	11	22	63
46/ 45			.3															4	4	13	49
44/ 43			.1															1	1	11	46
42/ 41																				4	35
40/ 39																					27
38/ 37																					9
36/ 35																					10
34/ 33																					6
32/ 31																					5
30/ 29																					2
TOTAL	1.0	18.9	22.2	16.8	11.1	10.5	6.7	5.6	3.3	2.3	1.2	.3						1200	1200		1200

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	6223176	83854	69.9	17.414	1200
Dry Bulb	5572410	81090	67.6	8.795	1200
Wet Bulb	4523847	73191	61.0	7.058	1200
Dew Point	3896801	67593	56.3	8.637	1200

Mean No. of Hours with Temperature

	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.							
Dry Bulb			393.0	205.2	72.0		720.0
Wet Bulb			181.8	16.8			720.0
Dew Point		4.2	60.0	1.8			720.0

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0-5 PSYCHROMETRIC SUMM JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION — SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME — 73-77 YEARS — JUL MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
98/ 97								.1		.1								2	2		
96/ 95										.3								4	4		
94/ 93								.1	.2		.1	.1						6	6		
92/ 91								.1	.4									6	6		
90/ 89							.1	.3	.2		.1	.1	.1					10	10		
88/ 87							.7	.5	.5	.2	.2							25	25		
86/ 85						.7	.3	.6	.7	.5	.3							40	40		
84/ 83				.2	.5	.6	1.3	1.0	.5	.6	.2							59	59	1	
82/ 81				.5	.8	1.5	1.5	1.2	.6	.4	.2	.1						84	84	1	
80/ 79				1.6	1.7	1.7	.8	.4	.5	.6	.2							92	92	3	1
78/ 77			.4	1.7	1.9	1.0	.8	.4	.3	.6	.2	.1						90	90	16	
76/ 75		.2	1.6	1.9	1.2	1.5	.6	.6	.6	.3								105	105	39	4
74/ 73		1.0	2.9	2.6	1.0	1.0	.7	.5	.4	.1								127	127	83	17
72/ 71	.1	1.3	3.5	1.8	1.0	.7	.5	.8	.4									125	125	142	67
70/ 69	.3	1.9	3.5	1.2	1.0	.5	.4	.1										111	111	165	109
68/ 67	.2	2.5	3.4	1.4	1.0	.6	.2	.2										120	120	176	140
66/ 65	.3	1.9	2.2	1.1	1.0	.3												85	85	143	167
64/ 63	.3	1.9	1.3	1.0	.3	.4	.1											67	67	148	123
62/ 61	.2	.8	.7	.8	.2	.1												35	35	110	147
60/ 59	.1	.2	.4	.8														19	19	80	99
58/ 57	.1	.5	.5	.3														17	17	61	86
56/ 55	.1	.1	.1	.2														6	6	37	55
54/ 53			.1	.1	.1													3	3	23	59
52/ 51		.1	.1															2	2	4	45
50/ 49																				7	39
48/ 47																				1	34
46/ 45																					23
44/ 43																					19
42/ 41																					3
40/ 39																					3
TOTAL	1.8	12.5	20.6	17.2	11.7	10.6	8.1	6.9	5.4	3.5	1.4	.3	.1					1240	1240		1240
																		1240		1240	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	6278882	85570	69.0	17.370	1240							
Dry Bulb	6758322	91050	73.4	7.662	1240			603.6	390.0	169.8	7.2	744.0
Wet Bulb	5446531	81883	66.0	5.640	1240			375.6	85.8	1.8		744.0
Dew Point	4766076	76360	61.6	7.174	1240			202.8	27.6	.6		744.0

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PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | AUG MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
102/101														.1				1	1		
98/ 97												.1						1	1		
96/ 95										.2								2	2		
94/ 93									.1	.1								2	2		
92/ 91								.2	.2	.2								8	8		
90/ 89						.2	.3	.3	.5	.2	.2							20	20		
88/ 87					.1	.3	.5	.2	.7	.4	.1							29	29		
86/ 85					.3	.6	.8	.5	.2	.1	.2	.1						34	34		
84/ 83				.1	.9	.5	.7	.6	.5	.2	.2	.1						46	46		
82/ 81			.2	.3	1.1	1.0	1.1	1.0	.2	.6	.2							73	73		
80/ 79		.2	.4	1.1	.6	1.2	.8	.6	.2	.3	.1							69	69	6	1
78/ 77		.1	.8	1.7	1.4	1.1	.4	.4	.3	.2								79	79	30	1
76/ 75		.2	2.3	1.0	2.2	.8	.8	.6	.6	.5								112	112	42	13
74/ 73		.5	2.3	1.9	1.0	1.3	.8	.4	.3									106	106	88	28
72/ 71	.1	.8	2.4	1.7	1.5	.6	.7	.1	.2									101	101	113	64
70/ 69	.3	1.7	2.6	1.2	1.0	.3	.2	.2	.1									95	95	122	112
68/ 67	.4	1.8	3.5	1.9	.5	.8	.1		.1									111	111	149	98
66/ 65		2.3	3.1	1.9	.6	.5	.2											104	104	115	108
64/ 63	.7	2.6	2.3	1.2	.7		.1	.1										96	96	177	143
62/ 61	.8	1.8	1.3	1.2	.6	.1	.1	.1										73	73	125	144
60/ 59	.1	.2	.9	1.1	.2	.1												32	32	94	118
58/ 57		.1	1.0	.6	.1	.1												23	23	71	103
56/ 55		.2	.6	.1	.1													11	11	41	65
54/ 53			.2	.3														7	7	33	58
52/ 51			.2	.2														5	5	18	51
50/ 49																				7	47
48/ 47																				6	44
46/ 45																				3	12
44/ 43																					14
42/ 41																					4
40/ 39																					7
38/ 37																					4
34/ 33																					1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | AUG MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	2.4	12.3	24.1	17.5	12.8	9.5	7.7	5.2	4.4	2.7	.9	.2		.1				1240	1240	1240	1240

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	6490599	87367	70.5	16.442	1240
Dry Bulb	6538970	89454	72.1	8.318	1240
Wet Bulb	5333985	80947	65.3	6.338	1240
Dew Point	4695024	75732	61.1	7.503	1240

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb			533.4	349.2	153.6	3.6	744.0
Wet Bulb			330.0	99.6	1.2		744.0
Dew Point			190.2	43.8	.6		744.0

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PSYCHROMETRIC SUMMARY

14790 STATION — SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME — 73-77 YEARS — SEP MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87							.2	.1										3	3		
86/ 85						.1	.2											3	3		
84/ 83					.3		.2		.1	.1								7	7		
82/ 81				.2	.1	.3	.1	.2	.1									11	11		
80/ 79		.1	.1		.2	.2	.2	.2										10	10	1	
78/ 77			.2	.2	.3	.4	.3	.2										17	17		1
76/ 75			.2	.7	.6	.3	.4	.3	.1									30	30	9	
74/ 73	.1	.4	1.1	.8	.3	.6	.6	.3	.1	.2	.1							53	53	14	8
72/ 71		.4	1.7	1.1	.3	.5	.8	.2	.3	.1								63	63	17	7
70/ 69	.1	1.3	1.9	.8	.3	.8	.9	.6	.3	.1								85	85	46	19
68/ 67	.7	1.9	1.9	.4	1.4	.7	.6	.6	.2									100	100	75	57
66/ 65	.8	2.3	2.6	.8	.8	1.8	1.1	.3	.3									128	128	84	73
64/ 63	.4	2.5	1.5	2.2	.8	1.0	.4	.8	.2									116	116	104	75
62/ 61	.8	2.4	1.3	1.3	1.0	.8	.3	.2										97	98	73	90
60/ 59	.5	2.8	1.9	1.3	.8	.8	.4	.2										103	103	108	72
58/ 57	.6	3.1	1.8	1.0	1.2	.9	.2											105	105	131	70
56/ 55	.5	1.8	2.8	.9	.3	.4	.1											81	81	106	91
54/ 53	.1	.9	1.4	2.3	.6		.1											65	65	107	99
52/ 51	.1	.8	1.7	1.1	.3	.2												50	50	95	65
50/ 49		.8	1.2	.4	.2													30	30	72	84
48/ 47		.3	.5	.3	.1													14	14	76	70
46/ 45		.3	.6	.5														17	17	31	63
44/ 43		.1	.3	.1														6	6	21	67
42/ 41		.1	.2															3	3	16	51
40/ 39		.1																1	1	8	49
38/ 37		.1																1	1	4	36
36/ 35																				1	22
34/ 33																					16
32/ 31																					8
30/ 29																					3
28/ 27																					3
TOTAL	4.6	22.5	24.8	16.3	9.5	9.6	6.8	3.9	1.4	.4	.1								1200		1199
																		1199		1199	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	6830699	87993	73.4	17.645	1199							
Dry Bulb	4815922	75394	62.8	8.119	1200			229.2	80.4	20.4		720.0
Wet Bulb	4038662	68982	57.5	7.639	1199			97.3	14.4			720.0
Dew Point	3514992	63878	53.3	9.661	1199		8.4	55.2	7.8			720.0

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5 PSYCHROMETRIC SUMM JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | OCT MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
80/ 79									.1									1	1		
78/ 77							.1											1	1		
76/ 75						.1	.1	.1	.2									5	5		
74/ 73				.1	.1	.2	.1											5	5		
72/ 71		.2		.2	.2	.2	.4											15	15	1	
70/ 69			.3	.2	.3	.1	.2	.1	.2	.2	.2							23	23	1	2
68/ 67		.5	.5	.2	.3	.4	.1	.4	.2	.2								33	33	4	
66/ 65		.3	.2	.4		.3	.4	.4	.2	.1								28	28	18	6
64/ 63	.6	.8	.6	.4	.2	.9	.6	.3	.2									57	57	28	18
62/ 61	.1	1.4	1.0	.4	.6	.6	.6	.2	.2									65	65	27	21
60/ 59	.5	1.6	1.0	.7	.3	.8	.4	.3	.1									72	72	51	32
58/ 57	.8	1.6	1.1	.4	1.4	.7	.6	.6	.1									90	90	55	43
56/ 55	.8	1.5	1.1	1.2	.9	.7	.5	.2										86	86	57	54
54/ 53	.3	1.5	1.0	1.3	1.5	1.3	.7											94	94	87	47
52/ 51	.4	2.7	2.3	2.3	1.7	1.0	.4	.2										137	137	79	53
50/ 49	.7	3.2	1.8	1.0	1.4	1.0	.6											120	120	117	69
48/ 47	.2	1.5	1.5	2.4	1.6	.6	.1											100	100	121	65
46/ 45	.2	.7	1.9	1.7	1.2	.6	.1											79	79	109	66
44/ 43		.6	1.5	1.9	.6	.2												61	61	95	59
42/ 41	.1	.9	.6	1.2	.6	.2												46	46	92	81
40/ 39		.5	1.3	.9	.4													38	38	92	74
38/ 37		.5	1.0	.6	.3													31	31	69	85
36/ 35	.1	.2	.3	.7														17	17	41	57
34/ 33		.5	.7	.2														17	17	36	70
32/ 31		.4	.6	.2														16	16	24	79
30/ 29		.1	.2															3	3	23	67
28/ 27																				10	45
26/ 25																				3	45
24/ 23																					35
22/ 21																					22
20/ 19																					17
18/ 17																					13
16/ 15																					10
14/ 13																					4

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | OCT MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
12/ 11 TOTAL	4.8	21.3	20.9	18.7	13.6	10.0	5.9	2.8	1.4	.5	.2							1240	1240		1 1240

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	6155012	83830	67.6	19.839	1240							
Dry Bulb	3500506	64934	52.4	8.991	1240		11.4	49.8	7.2			744.0
Wet Bulb	2827064	58234	47.0	8.627	1240		36.0	3.6				744.0
Dew Point	2223266	50508	40.7	11.573	1240		202.8	1.2				744.0

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5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | NOV MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
74/ 73				.1		.2												3	3		
72/ 71				.1		.2	.1	.1										5	5		
70/ 69					.2			.1										3	3		
68/ 67		.1																1	1	1	
66/ 65		.5	.1	.4	.1	.2		.1		.2								18	18	5	4
64/ 63	.1	.5		.4	.1		.1											14	14	8	4
62/ 61		.5	.2	.2	.1	.3	.2	.2										20	20	14	8
60/ 59	.2	1.2	.4	.1	.1	.1	.1	.4										32	32	19	12
58/ 57	.2	1.6	.2	.3	.6	.3	.2	.1										43	43	22	17
56/ 55	.2	1.6	1.1	.7	.6	.2	.3	.2										57	57	31	32
54/ 53	.2	1.9	1.5	1.2	.8	.5	.1	.2										76	76	32	24
52/ 51	.6	1.2	.8	.6	.7	.8	.2											60	60	65	34
50/ 49	.7	1.9	1.1	.6	1.1	.7	.3											77	77	59	47
48/ 47	.5	2.9	1.3	1.4	1.4	1.1	.2											107	107	68	52
46/ 45	.2	1.2	2.0	1.4	1.9	1.5	.1											99	99	81	51
44/ 43	.2	.7	1.2	2.1	1.6	.4												74	74	58	44
42/ 41	.2	.4	1.8	2.1	1.3	1.2												84	84	71	37
40/ 39	.1	.3	1.8	2.1	2.2	.6												86	86	77	43
38/ 37	.1	.4	2.1	2.1	1.3	.2												75	75	93	32
36/ 35	.2	1.3	1.4	1.7	1.0	.1												68	68	89	48
34/ 33	.3	.7	2.8	2.1	.5	.1												79	79	107	49
32/ 31	.1	.7	1.4	1.6	.3													49	49	87	74
30/ 29	.1	.2	1.3	.6	.2													29	29	71	82
28/ 27		.1	1.0	.3														17	17	56	69
26/ 25		.4	.8	.2														17	17	43	73
24/ 23	.1		.2															4	4	25	67
22/ 21		.1	.1															2	2	11	65
20/ 19		.1																1	1	5	48
18/ 17																				2	46
16/ 15																					42
14/ 13																					34
12/ 11																					29
10/ 9																					16
8/ 7																					4

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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5-5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | NOV MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
6/ 5																					2
4/ 3																					4
2/ 1																					4
0/- 1																					2
- 2/- 3																					1
TOTAL	4.0	20.7	24.8	22.2	16.2	8.7	1.9	1.3		.2								1200			1200
																		1200		1200	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	5541256	78198	65.2	19.275	1200							
Dry Bulb	2518962	53748	44.8	9.047	1200		71.4	7.2	1.8			720.0
Wet Bulb	2030644	47942	40.0	9.805	1200		180.0	.6				720.0
Dew Point	1500010	39246	32.7	13.436	1200	1.8	397.2					720.0

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0-5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS) DEC (MONTH)

PAGE 1 (HOURS (L.S.T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
62/ 61			.1		.1													2	2		
60/ 59		.6	.2															9	9	2	
58/ 57		.3		.2		.1												7	7	7	4
56/ 55		.5	.2	.2	.2													13	13	5	7
54/ 53	.2	.5	.2															10	10	13	11
52/ 51	.2	1.0	.4	.1		.1												21	21	14	7
50/ 49	.2	1.0	.6		.1	.1												25	25	23	17
48/ 47	.3	2.0	.5	.4	.4	.3												49	49	27	22
46/ 45		1.6	.6	.5	.3	.1												38	38	30	22
44/ 43	.6	1.0	1.2	1.0	.8													57	57	30	25
42/ 41	.5	.9	1.3	1.8	.3		.2											61	61	37	28
40/ 39	.6	2.3	1.2	1.3	.8	.1												77	77	53	32
38/ 37	.6	2.7	1.8	1.9	.4	.1												92	92	73	36
36/ 35	.3	2.7	3.5	1.9	.5													110	110	82	38
34/ 33	.2	2.7	3.9	2.3	.3	.1												118	118	95	54
32/ 31	.6	1.6	4.0	1.5	.3													100	100	103	64
30/ 29	.6	2.1	2.1	1.0	.1													73	73	128	69
28/ 27		1.5	1.5	1.0	.2													51	51	96	66
26/ 25	.1	1.4	1.1	.8														42	42	59	80
24/ 23		1.8	2.3	.6														58	58	53	83
22/ 21	.1	1.4	2.3	.4														51	51	56	60
20/ 19	.5	1.3	1.6	.3														46	46	55	70
18/ 17	.1	1.6	1.9	.2														47	47	52	56
16/ 15		.5	.9															17	17	45	51
14/ 13		1.1	.9															25	25	30	47
12/ 11		.4	.9															16	16	28	29
10/ 9		.1	.5															7	7	10	36
8/ 7		.4	.3															9	9	17	47
6/ 5		.4																5	5	7	34
4/ 3		.3																4	4	7	25
2/ 1																				3	17
0/- 1																					23
- 2/- 3																					13
-4 /- 5																					9

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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5605 PSYCHROMETRIC SUMMARY JAN 68

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PSYCHROMETRIC SUMMARY

14790 STATION — SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME — 73-77 YEARS — DEC MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
- 6/- 7																					12
- 8/- 9																					9
-10/-11																					13
-12/-13																					7
-14/-15																					13
-16/-17																					2
-20/-21																					1
-26/-27																					1
TOTAL	5.7	35.6	35.7	17.2	4.8	.9	.2											1240	1240	1240	1240

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	6115197	83935	67.7	18.708	1240							
Dry Bulb	1501734	41012	33.1	10.829	1240		330.6					744.0
Wet Bulb	1255109	37093	29.9	10.837	1240		449.4					744.0
Dew Point	913661	28093	22.7	14.957	1240	61.8	562.2					744.0

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5 PSYCHROMETRIC SUMM JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION | SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME | 73-77 YEARS | ALL MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
102/101														.0				1	1		
98/ 97								.0		.0		.0						3	3		
96/ 95										.0								6	6		
94/ 93								.0	.0	.0	.0	.0						8	8		
92/ 91								.0	.1	.0	.0		.0					18	18		
90/ 89						.0	.0	.1	.1	.0	.0	.0	.0					36	36		
88/ 87					.0	.0	.1	.1	.2	.1	.0							76	76		
86/ 85					.0	.1	.1	.1	.1	.1	.0	.0						97	97		
84/ 83				.0	.1	.1	.2	.2	.1	.1	.1	.0						146	146	1	
82/ 81			.0	.1	.2	.3	.3	.3	.1	.1	.0	.0	.0					221	221	1	
80/ 79		.0	.0	.2	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0				237	237	11	2
78/ 77		.0	.1	.3	.4	.3	.2	.1	.1	.1	.1	.0	.0					261	261	47	3
76/ 75		.0	.4	.4	.4	.3	.2	.2	.2	.1	.0	.0	.0					348	348	93	17
74/ 73	.0	.2	.6	.6	.3	.5	.3	.2	.1	.0	.0							419	419	210	53
72/ 71	.0	.3	.8	.6	.4	.3	.3	.1	.1	.0	.0	.0						440	440	331	142
70/ 69	.1	.6	1.0	.5	.4	.3	.2	.2	.1	.1	.0							497	497	434	273
68/ 67	.1	.7	1.1	.5	.3	.4	.2	.2	.2	.1	.0							561	561	560	363
66/ 65	.1	.9	.9	.5	.3	.4	.2	.2	.1	.1	.0							557	557	540	470
64/ 63	.2	1.0	.7	.6	.3	.4	.2	.2	.1	.0	.0							531	531	683	513
62/ 61	.2	.9	.6	.6	.4	.4	.3	.2	.1	.0								525	526	517	606
60/ 59	.2	.8	.6	.6	.3	.3	.2	.2	.1	.0								470	470	541	501
58/ 57	.2	1.0	.7	.5	.5	.4	.2	.2	.0	.0								540	540	536	471
56/ 55	.2	.8	.8	.6	.3	.2	.2	.1	.0									494	494	480	467
54/ 53	.2	.9	.8	.7	.5	.3	.3	.1	.0	.0								543	543	580	474
52/ 51	.2	.8	.9	.7	.4	.4	.2	.1	.0									553	553	552	433
50/ 49	.2	.9	.8	.4	.4	.4	.2	.0	.0									496	496	572	522
48/ 47	.1	.9	.7	.6	.6	.3	.2	.1										522	522	594	506
46/ 45	.1	.8	.8	.6	.6	.4	.1	.0										493	493	533	472
44/ 43	.1	.6	.7	.9	.6	.2	.1											460	460	461	434
42/ 41	.2	.6	.8	1.0	.5	.3	.0											498	498	484	487
40/ 39	.3	.8	.9	.9	.6	.2												521	521	561	456
38/ 37	.3	.9	.9	.9	.5	.1	.0											523	523	590	478
36/ 35	.2	1.0	1.1	.9	.4	.1												535	535	566	399
34/ 33	.2	1.1	1.2	.9	.3	.1												553	553	615	418

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

14790 STATION — SOUTH WEYMOUTH, MASSACHUSETTS STATION NAME — 73-77 YEARS — ALL MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
32/ 31	.2	.8	1.1	.8	.3	.0												453	453	582	508
30/ 29	.2	.7	.7	.4	.1													311	311	562	580
28/ 27	.1	.6	.7	.5	.1													280	280	410	475
26/ 25	.0	.4	.6	.5														230	230	357	476
24/ 23	.1	.4	.6	.3														200	200	278	455
22/ 21	.1	.6	.7	.2														228	228	263	394
20/ 19	.1	.4	.5	.1														171	171	243	338
18/ 17	.0	.5	.6	.0														165	165	222	332
16/ 15	.0	.3	.4															105	105	152	303
14/ 13	.0	.3	.3															89	89	148	265
12/ 11	.0	.2	.2															70	70	97	245
10/ 9		.1	.1															41	41	66	232
8/ 7		.1	.1															31	31	61	183
6/ 5	.0	.1	.0															22	22	28	150
4/ 3		.1																11	11	24	138
2/ 1	.0	.0																3	4	12	126
0/- 1	.0																	5	7	6	118
- 2/- 3																					78
-4 /- 5																					49
- 6/- 7																					51
- 8/- 9																					37
-10/-11																					32
-12/-13																					25
-14/-15																					23
-16/-17																					10
-18/-19																					8
-20/-21																					4
-22/-23																					4
-24/-25																					2
-26/-27																					3
TOTAL	4.1	22.3	24.6	17.9	11.0	7.9	4.9	3.2	2.1	1.2	.5	.2	.1	.0				14604	14608	14604	14604

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	69592853	966175	66.2	19.708	14604							
Dry Bulb	42969775	746661	51.1	18.138	14608	4.2	1448.1	2025.0	1126.2	453.0	10.8	8760.0
Wet Bulb	34480615	667291	45.7	16.530	14604	3.6	2104.5	1012.9	217.8	3.0		8760.0
Dew Point	27806261	569097	39.0	19.634	14604	266.0	3383.7	511.8	81.0	1.2		8760.0

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105 PSYCHROMETRIC SUMM JAN 68

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	26.9	27.9	36.7	44.7	53.2	62.2	67.7	67.3	58.7	48.8	42.5	31.3	47.4
	S. D.	11.258	10.356	7.926	9.044	6.823	6.686	5.446	6.551	7.038	7.957	9.381	11.015	16.461
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
04	MEAN	25.7	26.9	35.5	43.2	51.7	60.7	66.4	66.0	57.4	48.0	41.8	30.6	46.3
	S. D.	11.727	10.445	7.970	8.595	6.857	7.039	5.748	6.773	7.359	8.315	9.707	11.262	16.451
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
07	MEAN	24.7	26.3	35.8	45.8	56.3	65.8	71.2	69.9	60.0	48.7	41.4	30.2	48.1
	S. D.	12.113	10.508	7.475	8.496	7.024	6.074	4.810	6.341	6.549	8.055	9.466	11.486	18.103
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
10	MEAN	28.6	31.3	41.3	52.0	62.3	71.5	77.4	76.5	66.4	55.7	46.7	34.1	53.8
	S. D.	11.079	10.266	8.972	10.775	9.171	7.759	5.773	7.073	6.781	7.750	8.494	10.392	18.907
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	31.6	34.3	44.3	55.8	65.5	74.3	80.1	79.0	69.3	58.5	49.7	36.8	56.7
	S. D.	11.136	10.415	9.349	11.908	10.053	8.518	6.625	7.476	7.267	8.691	9.279	10.170	19.078
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	32.0	34.9	44.3	55.1	65.2	73.4	80.1	78.0	68.5	57.7	48.4	36.1	56.2
	S. D.	10.472	9.624	8.918	11.315	9.898	8.461	6.320	7.586	6.727	8.137	8.699	10.066	18.660
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	28.9	31.7	40.1	50.1	59.6	68.5	74.9	72.0	62.4	51.9	44.6	33.5	51.6
	S. D.	10.597	8.776	7.445	9.455	8.223	7.297	5.542	6.575	6.501	7.623	8.901	10.101	17.459
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	27.5	29.9	37.9	46.7	55.4	64.1	69.7	68.4	59.9	49.6	43.2	31.9	48.8
	S. D.	10.618	9.387	7.302	8.999	6.983	6.708	5.522	6.382	6.796	7.842	9.672	10.247	16.512
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	28.2	30.4	39.5	49.2	58.6	67.6	73.4	72.1	62.8	52.4	44.8	33.1	51.1
	S. D.	11.372	10.410	8.842	10.844	9.603	8.795	7.663	8.318	8.119	8.991	9.647	10.829	18.138
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	24.6	25.0	33.2	39.6	48.5	58.5	63.6	63.4	55.3	45.0	38.6	28.6	43.8
	S. D.	11.000	10.327	8.556	8.793	6.714	6.752	5.499	6.461	7.638	8.663	9.934	11.131	16.188
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
04	MEAN	23.6	24.2	32.3	38.6	47.7	57.5	62.8	62.3	54.4	44.4	38.1	28.1	42.9
	S. D.	11.411	10.436	8.505	8.679	7.145	7.220	5.845	6.642	7.963	9.030	10.171	11.353	16.258
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
07	MEAN	22.8	23.8	32.8	40.6	50.7	61.0	65.8	65.1	56.8	45.4	37.9	27.9	44.3
	S. D.	11.876	10.446	8.286	8.652	6.741	5.967	4.800	5.870	7.161	8.621	9.890	11.653	17.294
	TOTAL OBS	154	141	155	150	155	150	155	155	149	155	150	155	1824
10	MEAN	25.7	27.5	36.1	43.4	53.3	62.8	67.5	67.2	59.3	49.1	41.4	30.9	47.1
	S. D.	10.702	9.513	8.893	9.174	7.729	6.734	5.089	5.876	7.223	8.091	9.186	10.553	16.753
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	27.6	29.6	37.9	45.3	54.5	63.7	68.1	67.6	60.3	50.0	42.9	32.5	48.4
	S. D.	10.247	9.238	8.823	9.163	7.612	6.862	5.286	5.872	7.343	8.015	9.241	10.242	16.292
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	27.8	29.9	37.9	44.9	54.3	63.4	68.6	67.3	60.1	49.7	41.8	32.0	48.2
	S. D.	9.766	8.688	8.485	8.839	7.574	6.846	5.309	5.841	7.001	7.985	9.095	10.159	16.198
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	25.7	27.9	35.3	42.5	51.8	61.5	67.1	65.3	57.8	46.7	39.8	30.2	46.1
	S. D.	10.428	8.748	7.770	8.435	7.241	6.720	5.167	5.933	7.318	8.187	9.638	10.335	16.262
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	24.8	26.6	34.0	41.0	50.0	59.6	64.8	63.9	56.2	45.4	39.1	29.1	44.6
	S. D.	10.542	9.509	7.894	8.535	6.716	6.731	5.264	6.072	7.319	8.425	10.172	10.407	16.079
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	25.3	26.8	34.9	42.0	51.4	61.0	66.0	65.3	57.5	47.0	40.0	29.9	45.7
	S. D.	10.858	9.951	8.635	9.056	7.562	7.059	5.640	6.339	7.640	8.628	9.806	10.837	16.531
	TOTAL OBS	1237	1128	1240	1200	1240	1200	1240	1240	1199	1240	1200	1240	14604

5707 MEANS AND STANDARD DEVIATIONS JAN 68
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MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	17.2	16.7	26.3	32.2	43.7	55.7	61.0	60.8	52.5	40.4	32.5	22.0	38.5
	S. D.	14.507	14.612	12.987	12.311	9.252	7.940	6.649	7.370	9.260	11.240	13.324	15.063	19.439
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
04	MEAN	16.6	16.4	25.8	31.6	43.3	54.9	60.5	59.9	51.6	39.8	32.3	21.6	38.0
	S. D.	14.825	14.502	12.826	12.009	9.566	8.328	6.890	7.467	9.589	11.648	13.231	15.139	19.406
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	155	1825
07	MEAN	15.9	16.3	26.5	32.9	45.1	57.5	62.4	62.3	54.3	41.4	32.2	22.0	39.2
	S. D.	15.449	14.496	12.956	12.635	9.939	7.397	6.353	6.902	8.901	10.959	12.931	15.266	20.164
	TOTAL OBS	154	141	155	150	155	150	155	155	149	155	150	155	1824
10	MEAN	17.7	18.6	26.8	32.0	44.6	56.7	61.5	61.6	53.7	41.7	33.8	23.6	39.5
	S. D.	14.342	13.362	13.787	13.378	11.418	9.215	7.511	7.733	10.021	11.839	13.345	14.872	19.631
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	17.9	19.1	27.2	32.0	44.1	56.5	61.1	60.8	53.3	40.8	33.5	23.6	39.3
	S. D.	14.471	13.151	13.966	13.311	11.168	9.506	7.947	8.011	10.564	11.885	13.628	15.202	19.475
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	17.3	19.0	27.2	31.8	44.3	56.6	62.0	61.0	53.4	40.7	32.2	23.1	39.2
	S. D.	14.821	13.466	13.826	13.280	11.248	9.472	8.054	8.084	10.405	12.449	13.919	15.100	19.810
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	16.9	18.3	26.8	32.1	44.1	56.5	62.4	61.1	54.1	40.6	32.6	23.0	39.1
	S. D.	15.189	13.665	12.783	12.671	10.516	8.806	7.213	7.385	9.312	11.444	13.661	14.611	19.687
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	16.7	18.2	26.7	32.8	44.6	56.3	61.7	61.1	53.3	40.4	32.6	22.3	39.0
	S. D.	14.783	13.985	12.700	12.336	9.316	8.170	6.513	6.934	9.054	11.218	13.647	14.590	19.448
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	17.0	17.8	26.6	32.2	44.2	56.3	61.6	61.1	53.3	40.7	32.7	22.7	39.0
	S. D.	14.773	13.915	13.208	12.721	10.321	8.638	7.175	7.503	9.661	11.574	13.437	14.958	19.634
	TOTAL OBS	1237	1128	1240	1200	1240	1200	1240	1240	1199	1240	1200	1240	14804

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RELATIVE HUMIDITY

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14790 SOUTH WEYMOUTH, MASSACHUSETTS 73-77 JAN

STATION STATION NAME PERIOD MONTH

5706 RELATIVE HUMIDITY JAN 68

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	99.4	96.8	81.8	61.0	47.4	29.9	11.0	68.1	154
	04	100.0	100.0	100.0	96.8	86.4	65.6	45.5	29.9	14.3	69.4	154
	07	100.0	100.0	99.4	96.8	87.0	70.1	50.0	27.3	14.3	69.9	154
	10	100.0	99.4	98.7	92.3	77.4	57.4	42.6	24.5	13.5	65.6	155
	13	100.0	99.4	95.5	83.9	65.8	40.6	27.1	17.4	10.3	59.6	155
	16	100.0	99.4	91.6	80.0	54.8	38.7	27.1	21.3	11.6	57.8	155
	19	100.0	99.4	94.8	87.1	71.0	57.4	34.8	23.2	11.6	63.3	155
	22	100.0	99.4	98.1	91.6	75.5	60.6	41.9	25.2	11.6	65.9	155
TOTALS		100.0	99.6	97.2	90.7	75.0	56.4	39.6	24.8	12.3	65.0	1237

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RELATIVE HUMIDITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) FEB (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	99.3	95.0	88.7	77.3	59.6	39.0	25.5	11.3	65.1	141
	04	100.0	100.0	97.2	91.5	80.1	63.8	44.0	27.0	14.2	66.8	141
	07	100.0	100.0	97.9	93.6	81.6	61.0	46.8	29.8	14.9	68.0	141
	10	100.0	99.3	95.0	84.4	68.8	48.9	34.8	22.7	14.2	62.5	141
	13	100.0	99.3	90.1	75.2	53.9	39.0	29.1	20.6	9.9	57.4	141
	16	100.0	97.2	87.9	70.9	49.6	39.7	29.8	22.7	9.9	56.3	141
	19	100.0	99.3	92.2	81.6	62.4	47.5	34.8	24.1	8.5	60.8	141
	22	100.0	99.3	97.2	85.8	74.5	58.2	38.3	23.4	10.6	64.3	141
TOTALS		100.0	99.2	94.1	84.0	68.5	52.2	37.1	24.5	11.7	62.7	1128

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RELATIVE HUMIDITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) MAR (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	98.1	88.4	78.1	65.8	47.7	33.5	14.2	68.4	155
	04	100.0	100.0	97.4	91.6	83.9	69.0	53.5	33.5	16.8	70.0	155
	07	100.0	100.0	96.8	91.6	82.6	66.5	56.8	38.1	20.0	71.4	155
	10	100.0	100.0	92.9	76.8	60.6	40.6	32.3	21.9	12.3	59.6	155
	13	100.0	98.7	85.8	67.1	52.3	36.1	25.2	18.7	9.0	55.1	155
	16	100.0	97.4	83.2	67.7	51.6	36.8	27.7	19.4	10.3	55.4	155
	19	100.0	98.7	93.5	84.5	68.4	49.7	38.7	21.9	12.3	62.5	155
	22	100.0	100.0	95.5	85.8	73.5	63.9	47.1	31.0	12.9	66.8	155
TOTALS		100.0	99.4	92.9	81.7	68.9	53.6	41.1	27.3	13.5	63.7	1240

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RELATIVE HUMIDITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) APR (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	94.7	88.7	77.3	60.0	43.3	19.3	6.0	64.4	150
	04	100.0	99.3	98.0	93.3	80.7	62.0	38.7	23.3	7.3	65.7	150
	07	100.0	100.0	96.0	89.3	69.3	51.3	39.3	24.0	10.7	63.8	150
	10	100.0	98.7	80.7	63.3	42.7	26.0	20.0	13.3	4.7	50.5	150
	13	100.0	91.3	72.0	48.0	32.0	21.3	16.0	10.7	2.0	44.9	150
	16	100.0	92.0	72.0	52.7	33.3	22.7	15.3	12.0	4.0	46.0	150
	19	100.0	97.3	87.3	70.7	52.7	32.0	21.3	12.7	4.0	53.7	150
	22	100.0	98.7	92.0	83.3	73.3	54.7	35.3	18.0	4.7	61.7	150
TOTALS		100.0	97.2	86.6	73.7	57.7	41.3	28.7	16.7	5.4	56.3	1200

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RELATIVE HUMIDITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) MAY (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	98.7	94.2	86.5	78.1	61.9	30.3	11.6	72.3	155
	04	100.0	100.0	100.0	98.1	90.3	81.3	63.9	40.0	13.5	74.8	155
	07	100.0	100.0	96.1	89.7	82.6	64.5	52.3	31.0	12.3	69.0	155
	10	100.0	98.7	88.4	74.8	57.4	38.7	25.8	14.8	5.8	56.1	155
	13	100.0	94.8	83.2	62.6	45.2	29.0	16.8	7.7	2.6	49.9	155
	16	100.0	95.5	81.9	63.2	49.0	30.3	21.3	11.0	1.3	51.1	155
	19	100.0	99.4	91.6	84.5	67.7	49.0	29.7	16.8	2.6	59.9	155
	22	100.0	100.0	98.7	94.8	86.5	71.0	49.0	29.7	7.7	69.2	155
TOTALS		100.0	98.6	92.3	82.7	70.7	55.2	40.1	22.7	7.2	62.8	1240

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RELATIVE HUMIDITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) JUN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	97.3	94.0	82.0	54.0	14.0	80.1	150
	04	100.0	100.0	100.0	99.3	98.7	96.7	86.7	59.3	17.3	81.9	150
	07	100.0	100.0	100.0	99.3	96.0	82.7	66.0	38.7	14.0	75.7	150
	10	100.0	100.0	99.3	86.0	73.3	50.7	32.7	19.3	6.7	62.0	150
	13	100.0	100.0	93.3	82.0	62.7	36.0	22.0	10.7	2.7	56.5	150
	16	100.0	99.3	94.7	83.3	67.3	42.0	26.0	13.3	2.0	58.6	150
	19	100.0	100.0	99.3	96.7	83.3	68.0	43.3	22.7	2.7	67.3	150
	22	100.0	100.0	100.0	99.3	97.3	88.7	73.3	43.3	9.3	76.9	150
TOTALS		100.0	99.9	98.3	93.2	84.5	69.9	54.0	32.7	8.6	69.9	1200

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) JUL (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	97.4	95.5	81.9	57.4	13.5	80.1	155
	04	100.0	100.0	100.0	100.0	99.4	94.8	83.9	65.2	19.4	82.0	155
	07	100.0	100.0	100.0	100.0	97.4	87.7	62.6	41.9	11.6	74.9	155
	10	100.0	100.0	99.4	89.7	70.3	45.8	26.5	11.6	3.9	60.2	155
	13	100.0	100.0	98.1	76.8	52.9	34.2	20.6	7.7	3.9	54.8	155
	16	100.0	100.0	96.8	84.5	57.4	34.8	20.0	9.7	2.6	56.4	155
	19	100.0	100.0	100.0	96.1	83.2	65.8	41.9	20.0	5.8	66.8	155
	22	100.0	100.0	100.0	99.4	96.8	91.6	74.2	41.9	9.0	76.9	155
TOTALS		100.0	100.0	99.3	93.3	81.9	68.8	51.5	31.9	8.7	69.0	1240

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5706 RELATIVE HUMIDITY JAN 68
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RELATIVE HUMIDITY

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14790 SOUTH WEYMOUTH, MASSACHUSETTS 73-77 AUG

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	100.0	100.0	100.0	94.8	83.9	49.0	13.5	80.2	155
	04	100.0	100.0	100.0	100.0	100.0	99.4	83.9	57.4	14.2	81.2	155
	07	100.0	100.0	100.0	100.0	99.4	91.6	72.3	46.5	13.5	77.8	155
	10	100.0	100.0	100.0	93.5	74.2	52.9	24.5	15.5	3.2	62.0	155
	13	100.0	100.0	99.4	81.9	54.2	35.5	17.4	9.7	4.5	55.9	155
	16	100.0	100.0	98.1	83.2	64.5	41.9	26.5	12.3	3.9	58.5	155
	19	100.0	100.0	100.0	99.4	93.5	74.2	49.7	24.5	5.2	69.9	155
	22	100.0	100.0	100.0	100.0	98.7	93.5	78.7	46.5	10.3	78.3	155
TOTALS		100.0	100.0	99.7	94.8	85.6	73.0	54.6	32.7	8.5	70.5	1240

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5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

RELATIVE HUMIDITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) SEP (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	97.3	93.3	80.0	56.0	23.3	80.9	150
	04	100.0	100.0	100.0	100.0	99.3	94.0	81.3	56.0	28.7	81.9	150
	07	100.0	100.0	100.0	100.0	97.3	89.9	79.9	64.4	31.5	82.7	149
	10	100.0	100.0	100.0	94.7	78.7	60.0	38.0	24.0	7.3	65.6	150
	13	100.0	100.0	98.0	86.0	64.0	38.7	27.3	18.0	6.0	59.2	150
	16	100.0	100.0	97.3	85.3	68.0	47.3	32.7	20.0	8.0	61.5	150
	19	100.0	100.0	100.0	100.0	96.7	84.7	64.0	40.7	14.7	75.6	150
	22	100.0	100.0	100.0	99.3	96.0	92.7	76.7	52.0	22.0	79.8	150
TOTALS		100.0	100.0	99.4	95.7	87.2	75.1	60.0	41.4	17.7	73.4	1199

5706 RELATIVE HUMIDITY JAN 68
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RELATIVE HUMIDITY

14790 SOUTH WEYMOUTH, MASSACHUSETTS 73-77 OCT

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	98.1	92.3	76.8	59.4	39.4	19.4	74.3	155
	04	100.0	100.0	100.0	100.0	92.9	80.0	59.4	37.4	20.0	74.7	155
	07	100.0	100.0	100.0	98.7	96.1	83.9	68.4	48.4	22.6	77.5	155
	10	100.0	100.0	99.4	88.4	63.2	41.9	32.9	21.9	13.5	62.0	155
	13	100.0	100.0	92.9	71.0	49.0	31.0	23.2	16.8	9.0	55.3	155
	16	100.0	99.4	90.3	74.2	54.2	38.1	27.1	19.4	11.6	56.9	155
	19	100.0	100.0	98.7	95.5	81.3	60.6	43.2	27.7	12.9	67.7	155
	22	100.0	100.0	100.0	96.8	90.3	73.5	54.8	34.2	14.2	72.4	155
TOTALS		100.0	99.9	97.7	90.3	77.4	60.7	46.1	30.7	15.4	67.6	1240

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5706 RELATIVE HUMIDITY JAN 68
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RELATIVE HUMIDITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) NOV (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	99.3	96.7	85.3	62.7	48.7	30.7	16.0	69.7	150
	04	100.0	100.0	100.0	98.7	89.3	66.0	48.7	28.0	16.0	70.6	150
	07	100.0	100.0	100.0	98.0	91.3	70.7	48.0	30.7	13.3	71.2	150
	10	100.0	100.0	98.7	86.7	66.0	52.7	36.0	20.0	10.7	63.2	150
	13	100.0	100.0	93.3	73.3	56.7	36.7	26.0	16.0	8.0	56.7	150
	16	100.0	100.0	92.7	76.7	54.7	37.3	25.3	16.7	9.3	56.5	150
	19	100.0	100.0	99.3	88.7	72.7	55.3	35.3	22.7	10.7	65.0	150
	22	100.0	100.0	100.0	95.3	79.3	62.7	47.3	29.3	16.0	68.4	150
TOTALS		100.0	100.0	97.9	89.3	74.4	55.5	39.4	24.3	12.5	65.2	1200

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5706 RELATIVE HUMIDITY JAN 68

RELATIVE HUMIDITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) DEC (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	98.7	92.9	84.5	71.0	55.5	32.9	11.0	70.1	155
	04	100.0	99.4	99.4	96.8	87.7	70.3	52.9	31.6	9.0	70.6	155
	07	100.0	100.0	99.4	96.1	85.8	74.8	60.0	40.0	16.1	73.0	155
	10	100.0	99.4	98.1	92.3	81.9	62.6	41.9	28.4	14.2	67.5	155
	13	100.0	99.4	95.5	84.5	67.1	44.5	34.2	23.2	12.9	61.6	155
	16	100.0	99.4	96.1	84.5	67.1	46.5	35.5	25.2	11.6	62.0	155
	19	100.0	100.0	98.1	91.0	79.4	65.2	45.2	25.2	12.3	67.4	155
	22	100.0	100.0	100.0	91.6	80.6	72.3	53.5	31.0	9.0	69.3	155
TOTALS		100.0	99.7	98.2	91.2	79.3	63.4	47.3	29.7	12.0	67.7	1240

RELATIVE HUMIDITY

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (PERIOD) ALL (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.6	97.2	90.7	75.0	56.4	39.6	24.8	12.3	65.0	1237
FEB		100.0	99.2	94.1	84.0	68.5	52.2	37.1	24.5	11.7	62.7	1128
MAR		100.0	99.4	92.9	81.7	68.9	53.6	41.1	27.3	13.5	63.7	1240
APR		100.0	97.2	86.6	73.7	57.7	41.3	28.7	16.7	5.4	56.3	1200
MAY		100.0	98.6	92.3	82.7	70.7	55.2	40.1	22.7	7.2	62.8	1240
JUN		100.0	99.9	98.3	93.2	84.5	69.9	54.0	32.7	8.6	69.9	1200
JUL		100.0	100.0	99.3	93.3	81.9	68.8	51.5	31.9	8.7	69.0	1240
AUG		100.0	100.0	99.7	94.8	85.6	73.0	54.6	32.7	8.5	70.5	1240
SEP		100.0	100.0	99.4	95.7	87.2	75.1	60.0	41.4	17.7	73.4	1199
OCT		100.0	99.9	97.7	90.3	77.4	60.7	46.1	30.7	15.4	67.6	1240
NOV		100.0	100.0	97.9	89.3	74.4	55.5	39.4	24.3	12.5	65.2	1200
DEC		100.0	99.7	98.2	91.2	79.3	63.4	47.3	29.7	12.0	67.7	1240
TOTALS		100.0	99.5	96.1	88.4	75.9	60.4	45.0	28.3	11.1	66.2	14604

5706 RELATIVE HUMIDITY JAN 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | JANUARY (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66							100.0			1	.1
57 TO 61					15.4	53.8	30.8			13	1.0
52 TO 56					34.8	60.9		4.3		23	1.9
47 TO 51	2.5				30.0	17.5	32.5	10.0	7.5	40	3.2
42 TO 46	6.5		1.6	3.2	33.9	19.4	24.2	8.1	3.2	62	5.0
37 TO 41	3.2	10.5	5.6	4.8	16.9	20.2	25.8	9.7	3.2	124	10.0
32 TO 36	11.1	4.0	4.4	7.1	11.1	15.0	21.7	17.3	8.4	226	18.2
27 TO 31	11.1	2.4	3.4	4.3	6.7	12.0	25.5	18.3	16.3	208	16.8
22 TO 26	13.3	2.7	1.1	1.1	5.9	13.8	22.3	27.7	12.2	188	15.2
17 TO 21	22.0	3.7		1.2	5.5	7.3	28.0	19.5	12.8	164	13.2
12 TO 16	12.1		.9	.9	3.7	14.0	29.0	25.2	14.0	107	8.6
7 TO 11	7.3					18.2	18.2	40.0	16.4	55	4.4
2 TO 6	10.0				5.0	10.0	15.0	35.0	25.0	20	1.6
-3 TO 1					11.1	22.2	33.3	22.2	11.1	9	.7
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.0	3.1	2.3	3.1	10.4	15.4	24.4	19.4	11.0	1240	100.0

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570 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | FEBRUARY (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61				12.5	12.5	37.5	37.5			8	.7
52 TO 56			4.5		45.5	22.7	22.7		4.5	22	2.0
47 TO 51				7.3	26.8	39.0	17.1	9.8		41	3.6
42 TO 46	2.3	3.5	2.3	3.5	14.0	37.2	25.6	7.0	3.5	86	7.6
37 TO 41	6.4	5.8	5.8	2.6	17.3	18.6	25.6	12.2	5.8	156	13.8
32 TO 36	14.5	10.3	9.4	3.8	12.4	9.0	20.5	13.2	6.8	234	20.7
27 TO 31	11.8	3.6	3.0	.6	10.7	10.1	22.5	20.1	17.8	169	15.0
22 TO 26	17.0	10.9	1.8	.6	6.1	4.8	26.1	17.6	15.2	165	14.6
17 TO 21	29.8	5.0			5.7	3.5	29.5	18.4	12.1	141	12.5
12 TO 16	21.1	1.3			2.6	10.5	13.2	36.8	14.5	76	6.7
7 TO 11	4.2				8.3	4.2	20.8	37.5	29.0	24	2.1
2 TO 6	16.7						33.3	33.3	16.7	6	.5
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.7	6.0	3.7	2.0	11.5	12.9	23.0	16.7	10.5	1128	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | MARCH (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					100.0					1	.1
72 TO 76					50.0				50.0	2	.2
67 TO 71					50.0	25.0	25.0			4	.3
62 TO 66					30.0	20.0	50.0			10	.8
57 TO 61	2.9	2.9			22.9	42.9	20.0	8.6		35	2.8
52 TO 56	6.0	1.2	3.6	3.6	41.0	21.7	10.8	6.0	6.0	83	6.7
47 TO 51	5.9	2.0	4.9	7.8	32.4	14.7	16.7	10.8	4.9	102	8.2
42 TO 46	8.7	6.7	7.7	3.8	18.8	12.5	20.7	13.9	7.2	208	16.8
37 TO 41	9.1	12.3	10.1	2.3	8.4	10.7	17.5	16.9	12.7	308	24.8
32 TO 36	11.5	14.0	6.1	2.5	9.7	5.4	22.6	15.8	12.5	279	22.5
27 TO 31	13.5	7.1	5.7	3.5	6.4	2.8	19.1	23.4	18.4	141	11.4
22 TO 26	9.1		1.8		3.6	1.8	30.9	29.1	23.6	55	4.4
17 TO 21	16.7				8.3		16.7	50.0	8.3	12	1.0
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.4	8.5	6.5	3.1	15.0	10.5	19.8	16.0	11.3	1240	100.0

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5709 FREQ. AIR TEMP. & WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) JAN 1973-DEC 1977 (YEARS) APRIL (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					100.0					1	.1
87 TO 91							100.0			2	.2
82 TO 86			16.7		33.3		33.3	16.7		6	.5
77 TO 81	14.3			7.1	28.6	28.6	21.4			14	1.2
72 TO 76		4.3		4.3	47.8	21.7	21.7			23	1.9
67 TO 71	4.7	2.3	2.3	2.3	25.6	23.3	27.9	4.7	7.0	43	3.6
62 TO 66	1.4	5.4	4.1	4.1	18.9	18.9	18.9	21.6	6.8	74	6.2
57 TO 61	5.5	7.3	5.5	1.8	22.7	23.6	13.6	10.9	9.1	110	9.2
52 TO 56	5.6	3.9	5.1	4.5	16.9	24.2	18.0	15.7	6.2	178	14.8
47 TO 51	8.2	11.3	7.7	3.6	9.3	17.0	20.1	18.6	4.1	194	16.2
42 TO 46	12.9	14.5	13.7	3.1	6.7	10.2	15.7	13.7	9.4	255	21.3
37 TO 41	19.9	11.1	9.4	2.3	5.3	2.9	21.6	17.5	9.9	171	14.3
32 TO 36	14.7	.9	3.7	.9	.9	5.5	22.0	27.5	23.9	109	9.1
27 TO 31	5.3					10.5	10.5	52.6	21.1	19	1.6
22 TO 26								100.0		1	.1
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.1	8.3	7.5	3.0	11.9	14.5	18.9	16.8	9.0	1200	100.0

NAVWEASERVCOM

570 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) JAN 1973-DEC 1977 (YEARS) MAY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						25.0	75.0			4	.3
82 TO 86					27.8	33.3	27.8	11.1		18	1.5
77 TO 81	4.3		4.3	2.2	17.4	26.1	30.4	13.0	2.2	46	3.7
72 TO 76	5.7	4.3	7.1	1.4	31.4	25.7	17.1	7.1		70	5.6
67 TO 71	4.4	1.8	8.8	2.6	34.2	27.2	14.0	4.4	2.6	114	9.2
62 TO 66	5.6	4.0	6.8	6.8	29.9	14.7	15.3	11.9	5.1	177	14.3
57 TO 61	8.2	4.3	6.4	2.6	34.8	14.2	15.9	8.2	5.6	233	18.8
52 TO 56	12.5	14.3	7.0	2.4	21.6	10.1	11.8	7.7	12.5	287	23.1
47 TO 51	8.1	17.3	8.6	4.6	21.8	7.6	10.2	8.6	13.2	197	15.9
42 TO 46	15.0	1.3	8.8	3.8	13.8	3.8	10.0	8.8	35.0	80	6.5
37 TO 41	42.9	14.3						7.1	35.7	14	1.1
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.9	8.1	7.1	3.4	26.1	14.0	14.2	8.3	9.8	1240	100.0

NAVWEASERVCOM

5709 FREQ. TEMP. VS. WIND DIR. JA 68

1863

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) JAN 1973-DEC 1977 (YEARS) JUNE (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96						33.3	66.7			3	.3
87 TO 91					15.8	36.8	47.4			19	1.6
82 TO 86	1.8			3.5	14.0	45.6	31.6	3.5		57	4.8
77 TO 81	5.8	1.9	2.9	3.8	39.4	22.1	12.5	5.8	5.8	104	8.7
72 TO 76	7.5	3.0	9.5	5.5	34.8	24.9	6.0	6.5	2.5	201	16.8
67 TO 71	5.2	2.6	6.3	5.2	42.8	16.6	7.7	7.7	5.9	271	22.6
62 TO 66	2.8	12.1	11.7	4.0	29.6	10.9	6.5	6.9	15.4	247	20.6
57 TO 61	14.6	16.5	7.0	.6	10.8	8.2	11.4	6.3	24.7	158	13.2
52 TO 56	21.3	18.5	4.6	1.9	13.9	6.5	4.6	4.6	24.1	108	9.0
47 TO 51		3.7	3.7		7.4	7.4	11.1	7.4	59.3	27	2.3
42 TO 46		20.0							80.0	5	.4
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.4	7.8	7.1	3.7	28.8	16.8	9.8	6.3	12.5	1200	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) JAN 1973-DEC 1977 (YEARS) JULY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101					100.0					2	.2
92 TO 96						21.4	71.4	7.1		14	1.1
87 TO 91		2.7	8.1		13.5	29.7	37.8	2.7	5.4	37	3.0
82 TO 86	4.0	2.0	.7	2.0	18.8	28.2	32.2	7.4	4.7	149	12.0
77 TO 81	5.6	2.8	5.6	2.3	31.5	25.9	16.2	6.0	4.2	216	17.4
72 TO 76	7.4	9.0	5.8	1.3	35.3	15.4	12.8	3.8	9.3	312	25.2
67 TO 71	9.8	4.7	6.5	2.9	26.4	12.7	7.6	9.4	19.9	276	22.3
62 TO 66	13.3	2.3	2.3	3.5	15.6	6.4	9.8	12.7	34.1	173	14.0
57 TO 61	10.0					4.0	4.0	4.0	78.0	50	4.0
52 TO 56							27.3		72.7	11	.9
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.7	4.4	4.5	2.1	25.2	16.8	13.3	7.1	16.8	1240	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIN... JAN. 58

1863

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | AUGUST (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106							100.0			1	.1
97 TO 101	100.0									1	.1
92 TO 96	20.0	10.0	10.0		10.0	20.0	30.0			10	.8
87 TO 91	5.9	3.9	7.8	3.9	21.6	23.5	19.6	13.7		51	4.1
82 TO 86	4.7	4.7	5.5	4.7	15.6	28.1	18.8	11.7	6.3	128	10.3
77 TO 81	8.1	5.2	6.9	2.9	31.8	17.3	11.6	5.2	11.0	173	14.0
72 TO 76	6.8	5.4	6.5	3.2	24.8	17.6	14.4	7.6	13.7	278	22.4
67 TO 71	9.3	10.1	6.5	5.3	29.1	7.7	9.7	5.3	17.0	247	19.9
62 TO 66	20.6	6.7	5.2	4.8	9.5	4.0	6.7	7.9	34.5	292	20.3
57 TO 61	6.6	2.6			11.8	3.9	10.5	15.8	48.7	76	6.1
52 TO 56	4.8	9.5			4.8		9.5		71.4	21	1.7
47 TO 51							100.0			2	.2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.2	6.4	5.7	3.8	21.1	13.0	12.2	7.8	19.8	1240	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790	SOUTH WEYMOUTH, MASSACHUSETTS	JAN 1973-DEC 1977	SEPTEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91						33.3	33.3	33.3		3	.3
82 TO 86	5.9		11.8		11.8	11.8	41.2	17.6		17	1.4
77 TO 81		3.2		3.2	32.3	35.5	16.1	3.2	6.5	31	2.6
72 TO 76	1.6	3.2	2.4	4.0	33.1	22.6	21.8	5.6	5.6	124	10.3
67 TO 71	4.3	3.4	4.8	6.8	30.9	13.5	14.0	10.1	10.1	207	17.3
62 TO 66	10.5	6.8	5.4	4.7	18.3	13.2	15.3	13.2	12.5	295	24.6
57 TO 61	14.5	13.3	5.9	5.5	12.5	5.5	11.4	9.4	22.0	255	21.3
52 TO 56	12.1	11.6	8.1	.6	8.7	5.2	8.7	12.7	32.4	173	14.4
47 TO 51	9.0	1.5	1.5	1.5	9.0	3.0	6.0	10.4	52.2	67	5.6
42 TO 46	4.2				4.2			4.2	87.5	24	2.0
37 TO 41									100.0	4	.3
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.0	7.3	5.1	4.2	18.8	11.5	13.5	10.8	19.9	1200	100.0

NAVWEASERVCOM

5705 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) JAN 1973-DEC 1977 (YEARS) OCTOBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81						50.0	50.0			2	.2
72 TO 76			5.0		25.0	25.0	40.0	5.0		20	1.6
67 TO 71	3.3		3.3	1.6	27.9	26.2	24.6	9.8	3.3	61	4.9
62 TO 66	5.9	5.9	5.1	2.5	27.1	20.3	15.3	11.0	6.8	118	9.5
57 TO 61	11.9	8.8	4.1	8.2	17.0	16.5	12.4	11.3	9.8	194	15.6
52 TO 56	10.1	10.9	11.3	3.5	7.0	14.0	18.3	9.3	15.6	257	20.7
47 TO 51	17.1	11.4	7.5	2.1	9.6	11.4	12.9	10.7	17.1	280	22.6
42 TO 46	18.6	2.4	3.0	3.0	6.6	9.6	12.6	14.4	29.9	167	13.5
37 TO 41	14.8			1.1	8.0	5.7	6.8	15.9	47.7	88	7.1
32 TO 36	11.9				9.5	4.8	4.8	28.6	40.5	42	3.4
27 TO 31					9.1		9.1	36.4	45.5	11	.9
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.5	7.1	5.6	3.3	12.5	13.6	14.4	12.1	18.6	1240	100.0

NAVWEASERVCOM

5709 FREQ. TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790	SOUTH WEYMOUTH, MASSACHUSETTS	JAN 1973-DEC 1977	NOVEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76					28.6	42.9	28.6			7	.6
67 TO 71				20.0		20.0	40.0	20.0		5	.4
62 TO 66			2.3	4.5	29.5	27.3	20.5	9.1	6.8	44	3.7
57 TO 61	6.0	6.0	6.0	7.2	27.7	20.5	14.5	6.0	6.0	83	6.9
52 TO 56	7.9	14.5	6.7	3.0	21.2	21.8	13.3	2.4	9.1	165	13.8
47 TO 51	5.7	12.7	5.5	2.8	16.5	13.2	23.1	7.5	9.9	212	17.7
42 TO 46	13.5	6.1	7.4	2.2	9.1	13.9	22.6	12.6	13.0	230	19.2
37 TO 41	7.4	2.7	1.1	1.1	6.4	12.2	37.8	12.2	19.1	188	15.7
32 TO 36	12.5	2.3			9.7	11.9	21.6	14.8	27.3	176	14.7
27 TO 31	4.5				4.5	7.6	22.7	24.2	36.4	66	5.5
22 TO 26	4.5		4.5		13.6	4.5	22.7	22.7	27.3	22	1.8
17 TO 21							50.0	50.0		2	.2
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.4	6.6	4.6	2.3	13.7	14.8	23.2	10.8	15.7	1200	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

1863

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | DECEMBER (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66					100.0					1	.1
57 TO 61					41.2	52.9	5.9			17	1.4
52 TO 56	3.0			9.1	51.5	15.2	15.2		3.0	33	2.7
47 TO 51	1.2	1.2	8.2	4.7	29.4	35.3	7.1	7.1	5.9	85	6.9
42 TO 46	5.5	4.7	11.0	4.7	20.5	16.5	19.7	13.4	3.9	127	10.2
37 TO 41	14.1	9.1	8.1	3.5	10.1	11.1	20.7	16.2	7.1	198	16.0
32 TO 36	13.0	11.9	1.7	3.8	9.6	9.6	19.1	17.7	11.6	293	23.6
27 TO 31	21.4	1.3	2.5	1.3	5.7	5.7	20.1	19.7	26.4	159	12.8
22 TO 26	11.5	.8	.8	3.3	5.7	4.1	29.5	23.8	20.5	122	9.8
17 TO 21	8.2	.8	1.6	.8	6.6	5.7	33.6	15.6	27.0	122	9.8
12 TO 16	7.8		2.0		5.9	7.8	41.2	15.7	19.6	91	4.1
7 TO 11	13.0					4.3	52.2	21.7	8.7	23	1.9
2 TO 6				11.1			11.1	66.7	11.1	9	.7
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.8	5.2	4.0	3.1	12.2	11.5	22.3	16.0	13.9	1240	100.0

NAVWEASERVCOM

5706 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

14790 (STATION) | SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | ALL (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106							100.0			1	.0
97 TO 101	33.3				66.7					3	.0
92 TO 96	7.1	3.6	3.6		7.1	21.4	53.6	3.6		28	.2
87 TO 91	2.6	2.6	6.0	1.7	16.4	27.6	33.6	7.8	1.7	116	.8
82 TO 86	3.7	2.4	2.9	2.9	17.3	29.9	27.7	9.1	4.0	375	2.6
77 TO 81	6.1	3.1	4.9	2.9	31.9	23.3	15.5	6.0	6.3	587	4.0
72 TO 76	6.1	5.5	6.2	3.0	31.9	19.9	14.1	5.7	7.7	1037	7.1
67 TO 71	6.7	4.3	6.0	4.3	32.1	15.3	11.5	7.7	11.6	1228	8.4
62 TO 66	9.4	6.4	6.0	4.5	21.1	11.9	12.1	10.9	17.7	1392	9.5
57 TO 61	10.1	5.4	4.9	3.7	19.3	14.1	13.0	8.8	17.7	1232	8.4
52 TO 56	10.0	10.3	6.8	2.8	18.0	14.9	13.2	8.2	15.7	1361	9.3
47 TO 51	8.3	9.6	6.8	3.3	17.0	14.4	15.7	11.0	13.4	1247	8.5
42 TO 46	11.2	6.4	7.8	3.2	12.8	13.4	18.2	12.3	14.6	1244	8.5
37 TO 41	11.0	8.3	6.5	2.5	9.8	11.4	22.5	14.6	13.6	1291	8.8
32 TO 36	13.1	8.2	4.3	3.2	9.6	9.3	20.6	17.2	14.3	1399	9.3
27 TO 31	12.9	3.0	3.1	2.2	7.0	8.0	21.7	20.7	21.3	773	5.3
22 TO 26	13.2	4.3	1.4	1.3	6.0	7.4	25.9	23.9	16.6	593	3.8
17 TO 21	20.4	3.2	.5	.7	5.9	5.4	28.6	19.0	16.3	441	3.0
12 TO 16	14.1	.4	.9	.4	3.8	11.3	26.5	26.9	15.4	234	1.6
7 TO 11	7.8				2.0	11.8	26.5	33.3	16.7	102	.7
2 TO 6	8.6			2.9	2.9	5.7	17.1	42.9	20.0	35	.2
-3 TO 1					11.1	22.2	33.3	22.2	11.1	9	.1
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.0	6.5	5.3	3.1	17.3	13.8	17.6	12.3	14.1	14008	100.0

NAVWEASERVCOM

5709 FREQ. TEMP. VS. WIND DIR. JAN 68

NWSD, Federal Building

Asheville, N. C.

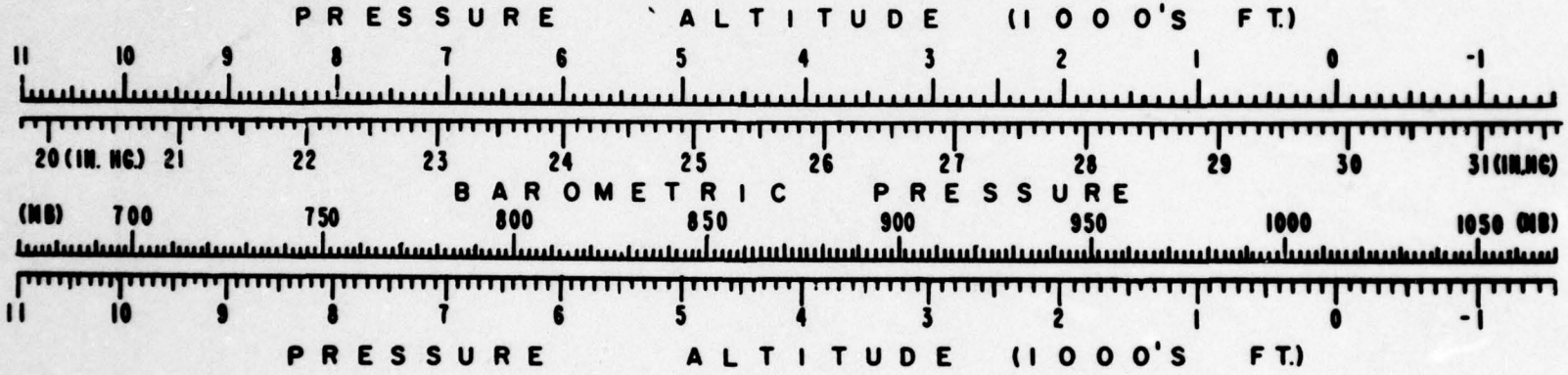
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	29.816	29.810	29.806	29.769	29.789	29.817	29.803	29.875	29.890	29.903	29.830	29.844	29.829
	S. D.	.301	.306	.321	.258	.191	.189	.159	.123	.188	.239	.281	.325	.251
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
04	MEAN	29.820	29.799	29.797	29.765	29.784	29.811	29.800	29.872	29.882	29.897	29.829	29.845	29.825
	S. D.	.297	.320	.325	.259	.198	.191	.163	.125	.189	.246	.285	.327	.254
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
07	MEAN	29.836	29.816	29.827	29.790	29.808	29.833	29.822	29.899	29.907	29.919	29.851	29.858	29.847
	S. D.	.298	.321	.320	.264	.200	.193	.165	.130	.193	.247	.286	.328	.256
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
10	MEAN	29.860	29.825	29.830	29.783	29.802	29.830	29.819	29.898	29.910	29.924	29.860	29.875	29.852
	S. D.	.308	.310	.321	.267	.198	.196	.165	.132	.196	.245	.285	.328	.256
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	29.800	29.779	29.788	29.743	29.771	29.809	29.798	29.876	29.876	29.883	29.812	29.816	29.813
	S. D.	.306	.293	.317	.266	.190	.196	.163	.130	.197	.241	.281	.329	.253
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	29.799	29.768	29.764	29.723	29.751	29.795	29.780	29.858	29.857	29.873	29.814	29.820	29.800
	S. D.	.307	.278	.319	.262	.180	.193	.161	.126	.194	.236	.270	.327	.249
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	29.824	29.801	29.791	29.755	29.768	29.806	29.791	29.869	29.876	29.902	29.839	29.844	29.822
	S. D.	.312	.276	.313	.254	.175	.188	.155	.123	.190	.232	.265	.327	.246
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	29.830	29.813	29.805	29.781	29.792	29.825	29.812	29.890	29.891	29.911	29.841	29.846	29.837
	S. D.	.312	.285	.317	.254	.179	.188	.156	.120	.188	.239	.267	.327	.247
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	29.823	29.802	29.801	29.763	29.783	29.815	29.803	29.880	29.886	29.901	29.834	29.844	29.828
	S. D.	.305	.299	.319	.261	.189	.192	.161	.127	.192	.241	.277	.327	.252
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

14790 (STATION) SOUTH WEYMOUTH, MASSACHUSETTS (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	1015.6	1015.4	1015.1	1013.9	1014.5	1015.4	1014.9	1017.3	1017.9	1018.4	1015.9	1016.5	1015.9
	S. D.	10.269	10.545	10.949	8.782	6.470	6.426	5.421	4.192	6.409	8.148	9.593	11.091	8.561
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
04	MEAN	1015.7	1015.0	1014.8	1013.7	1014.4	1015.2	1014.8	1017.3	1017.7	1018.2	1015.9	1016.5	1015.8
	S. D.	10.127	10.927	11.068	8.804	6.737	6.491	5.551	4.250	6.485	8.395	9.707	11.133	8.671
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
07	MEAN	1016.3	1015.5	1015.9	1014.6	1015.2	1015.9	1015.5	1018.1	1018.4	1019.0	1016.6	1016.9	1016.5
	S. D.	10.166	10.954	10.909	8.976	6.843	6.578	5.622	4.406	6.569	8.402	9.749	11.204	8.712
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
10	MEAN	1017.1	1015.9	1016.0	1014.3	1014.9	1015.8	1015.4	1018.1	1018.5	1019.1	1016.9	1017.5	1016.6
	S. D.	10.505	10.593	10.925	9.102	6.761	6.664	5.620	4.495	6.662	8.368	9.698	11.211	8.745
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	1015.0	1014.3	1014.5	1012.9	1013.9	1015.1	1014.7	1017.3	1017.4	1017.6	1015.3	1015.5	1015.3
	S. D.	10.434	9.996	10.822	9.038	6.487	6.647	5.553	4.451	6.692	8.220	9.580	11.252	8.623
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	1015.0	1013.9	1013.7	1012.3	1013.2	1014.6	1014.1	1016.7	1016.7	1017.3	1015.4	1015.6	1014.9
	S. D.	10.465	9.455	10.855	8.866	6.123	6.559	5.456	4.273	6.608	8.043	9.186	11.162	8.475
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	1015.8	1015.0	1014.6	1013.4	1013.7	1015.0	1014.4	1017.1	1017.4	1018.4	1016.2	1016.4	1015.6
	S. D.	10.635	9.398	10.673	8.649	5.936	6.406	5.418	4.202	6.471	7.799	9.047	11.141	8.378
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	1015.9	1015.4	1015.1	1014.2	1014.6	1015.6	1015.2	1017.8	1017.9	1018.6	1016.3	1016.5	1016.1
	S. D.	10.699	9.727	10.790	8.650	6.059	6.421	5.305	4.100	6.405	8.148	9.111	11.134	8.430
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	1015.8	1015.1	1015.0	1013.7	1014.3	1015.3	1014.9	1017.5	1017.7	1018.3	1016.1	1016.4	1015.8
	S. D.	10.404	10.204	10.866	8.864	6.446	6.519	5.499	4.311	6.542	8.189	9.450	11.151	8.591
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

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